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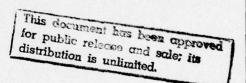
ANALYSIS OF THE U.S., SOVIET, AND CHINESE
CRISIS MANAGEMENT EXPERIENCES: DOCUMENTATION

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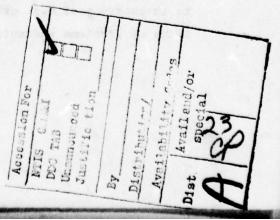Defense Advanced Research Projects Agency

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INTRODUCTION

The documentation of

This report provides documentation for CACI's Executive Aids for Crisis Management. These computer decision aids were developed for the Cybernetics Technology Office of the Defense Advanced Research Projects Agency (DARPA/CTO). The documentation demonstrates the capacities of the aids, which were developed to assist Department of Defense crisis managers by providing them with ready access to the historical records of postwar U.S., Soviet, and Chinese crisis behaviors. These aids were significantly enhanced during FY79 by:

- Updating all data files through the end of calendar 1978;

- Adding a new module containing information on the crises of concern to the People's Republic of China from 1949-1978;

- Adding a new section that allows users to directly compare the characteristics, actions, objectives, and problems associated with crises of concern to both the United States and the Soviet Union; and

- Producing a new aid component that presents the outcomes of Soviet and American crises from 1966-1978,

The data file manipulation characteristics of the aids allow crisis planners to search rapidly for historical precedents and analogies in the course of considering crisis options. In noncrisis periods they can serve as instructional devices for crisis management personnel. They can be used to outline the courses of U.S., Soviet, and Chinese crisis concerns since World War II, or to summarize the actions taken by the superpowers, problems encountered, objectives and goals sought, and the outcomes of recent (post-1965) Soviet and American crises.

1

THE DARPA CRISIS MANAGEMENT PROGRAM

Four of the major classes of products produced within the DARPA Crisis Management Program are:

- Computer-based decision aids that can be employed in national and major command-level operations centers during crisis management activities to provide better crisis indications and warning.

- Databases on the changing character of U.S. and Soviet crisis management operations including crisis characteristics, the actions that the two superpowers have employed in these incidents, the objectives they have pursued, and the crisis management problems encountered, plus information regarding the characteristics of the crises of concern to the People's Republic of China since 1949.

- New quantitative methods for crisis advance warning, monitoring, and management.

- Reports summarizing:

  - U.S., Soviet, and Chinese crisis management activities and concerns from 1946 through 1976,
  - The typical problems encountered in crisis management,
  - Current opportunities for improving crisis management techniques and decision-making, and
  - Research gaps in planning for better national security crisis management.

Wide ranging research has been directed toward each of these areas by DARPA since 1974. Initial work through 1976 was directed toward certain basic research themes prerequisite to effective social science technology development. Characteristic of this type of research were CACI's attempts to inventory past U.S. crises (CACI, 1975) and to identify the major patterns of problems encountered in past U.S. crises (CACI, 1976).

By 1976, however, a corner had been turned in the research needs for crisis management. Significant new information had been developed directly applicable to producing user-oriented, computer based aids to:

- Assist defense operations centers in identifying what indicator and warning patterns signal the onset of a crisis, and

- Develop optional generation and evaluation aids to assist crisis managers after the crisis has begun.

CACI'S ROLE IN THE CRISIS MANAGEMENT PROGRAM

CACI's efforts within the Crisis Management Program contribute to four classes of research products:

- Computer based decision aids applicable to national and major command centers during crisis management activities.

- Databases on the changing nature of crises, problems likely to be encountered, the types of objectives sought, actions taken, and the results achieved.

- New quantitative methods for analyzing U.S. and foreign crisis experiences.

- Substantive reports summarizing the problems of crisis management, opportunities for improving crisis management techniques and decision-making, and research gaps in the field of planning for better national security crisis management.

Figure 1 illustrates the relationships among these classes of products in DARPA's Crisis Management Program. CACI's initial attempts to reconceptualize crises and develop an inventory of U.S. crises began in FY75 (CACI, 1975). These efforts were continued and expanded during FY76 in CACI's major assessment of the background characteristics and problems encountered in a sample of U.S. crises between 1946 and 1975 (CACI, 1976).

Chinese Crisis Database and Analyses

Assessment of Soviet and U.S. Crisis Outcomes, 1966-1978

Soviet and U.S. Crisis Database Through 1978

Executive Decision Aid for Crises Management

FY79 Efforts

Initial Soviet Crisis Databases

Initial U.S. Crisis Databases

Research on Crisis Management Problems, Opportunities, and Research Gaps

Prototype Executive Decision Aids for Crises Management
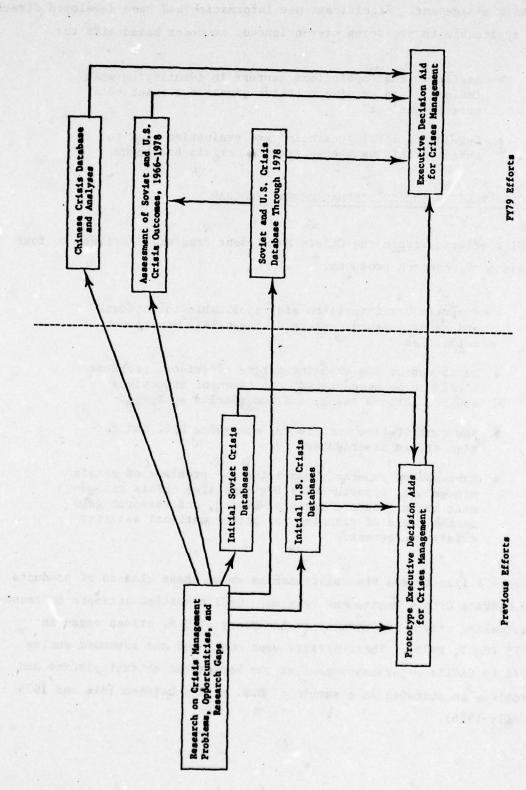
Previous Efforts

Figure 1. Selected CACI Crisis Management Program Research Efforts

Analysis during FY76 indicated four major directions for additional research. First, one tangent of the research (Shaw, et al., 1976) identified terrorist-induced crises as a growing area of concern. Subsequent analyses have identified research and development gaps in this area (CACI, 1977a). Second, a need was identified to reduce crisis management problems by determining the most effective set of actions for different crisis contexts and policy objectives. Accordingly, CACI's efforts during early FY77 focused on examining the relationships between U.S. crisis actions and policy objectives and developing a prototype computer-aiding system for crisis managers that incorporates these empirical relationships (CACI, 1977b). During FY78 this prototype system was developed into CACI's executive aid for crisis managers (CACI, 1978a). The executive aid provides national security planners with ready access to data concerning U.S. crisis characteristics, actions, objectives, and problems between 1946 and 1976. The design characteristics of this aiding system (described in CACI, 1978b) allow planners to have ready access to these data in the course of searching for precedents when planning for ongoing or anticipated crises.

During FY78, significant research progress was made on two fronts. The Crisis Problem Analyzer project (CACI, 1978c, 1978d) expanded the database of cases coded for U.S. crisis management problems to 101 crises. This provided a richer set of precedents for crisis planners. Taking advantage of the more reliable statistical base provided by the expanded dataset, CACI analyses focused on the relationships between the characteristics of the crisis events and the types of crisis management problems most often encountered by U.S. decision-makers. A new executive aid module was developed that allowed users to examine the historical associations between types of crises (defined in terms of user-specified sets of descriptive attributes) and crisis management problems.

Crisis management is not a game of solitaire. At least one other actor is involved in every crisis. Accordingly, the second thrust of CACI's Crisis

5

Management Program-sponsored research during FY78 (CACI, 1978e, 1978f) focused on the Soviet Union's crisis management experience, 1946-1975. In this research, Soviet sources were used to identify the political-military crisis events that were of concern to the Soviet leadership during the postwar period. Using a combination of Soviet and Western sources, the basic characteristics of 386 crisis events were coded; crisis problems, actions, and apparent objectives were coded for a sample of 101 crises. Analyses of these data revealed trends and patterns in Soviet crisis concerns and behaviors. Incorporation of these data into executive aid programs comparable to those previously produced for the U.S. allowed U.S. planners and decision-makers to have access to these data as inputs into their assessments of likely Soviet responses to crisis situations.

As shown in Figure 1, during FY79, CACI's Crisis Management Program research involved several related tasks:

- Updating the U.S. and Soviet databases through 1978, to provide planners with up-to-date information.

- Analysis of U.S. and Soviet crisis outcomes (1966-1978), focusing on outcomes defined in terms of goal achievement.

- Analysis of Chinese crises and their characteristics from the founding of the People's Republic of China (PRC) on October 1, 1949 through 1978.

- Development of the executive aids for crisis managers including incorporation of the results of the other research thrusts being conducted during the fiscal year into the aiding system.

THE EXECUTIVE AID PROGRAMS

The updated and expanded Executive Aid programs are based on unclassified databases regarding:

- The basic characteristics of postwar U.S., Soviet, and Chinese crises.

6

- Crisis management problems encountered by the United
  States and the Soviet Union.

- Soviet and American crisis actions and objectives.

- The outcomes of recent (1966-1978) Soviet and U.S.
  crises.

One component of the aid allows for the direct display and comparison
of information for those crises of concern to both the Soviet Union and
the United States.

The aids are provided to users in two forms:

- A stand-alone Tektronix 4051 microprocessor version.

- As part of the integrated system of crisis early
  warning and management programs available at DARPA/
  CTO's Demonstration and Development computer facility
  (DDF).

The versions differ only in minor details. Each provides the same core
analytical functions, optimized to the capabilities of the computer on
which it is resident. In addition, some additional (over and above what
was required by the project's contract) features are available, such as
the keyword search for crises option of the stand-alone version.

Documentation is provided in the form of program listings, beginning
with the DDF version of the aid.

DDF Version

```
        dimension ia(1689),ib(1711),id1(102),id2(102)
        dimension x(64),y(64)
        dimension act(8,64),obj(8,59),cri(8,101)
        real*8 act,obj,cri
        open(unit=1,name='/u1/janice/sovact',type='old',readonly)
        do 2 k=1,64
    2   read(1,100)(act(j,k),j=1,8)
        close(unit=1,dispose='save')
        open(unit=1,name='/u1/janice/sovobjs',type='old',readonly)
        do 4 k=1,59
    4   read(1,100)(obj(j,k),j=1,8)
        close(unit=1,dispose='save')
        open(unit=1,name='/u1/janice/scr101',type='old',readonly)
        do 6 k=1,101
    6   read(1,100)(cri(j,k),j=1,8)
        close(unit=1,dispose='save')
  100   format(1x,8a8)
        open(unit=1,name='/u1/janice/urdata',type='old',readonly)
        read(1,101)(id1(i),i=1,102)
  101   format(15I5)
        read(1,103)(ia(k),k=1,1689)
  103   format(25I3)
        close(unit=1,dispose='save')
        open(unit=1,name='/u1/janice/urdato',type='old',readonly)
        read(1,101) (id2(i),i=1,102)
        read(1,103)(ib(k),k=1,1711)
        close(unit=1,dispose='save')
        kode=0
  112   format(1x,'----------------------------------------------
       1----------------------')
c%          write(6,116)
c%          write(6,117)
c%          write(6,112)
c%  116 format(' please enter "la" to list the 64 soviet actions'/
c%      1                      '                   "lo" to list the 59 soviet objectives'/
c%      2                      '                   "lc" to list the 101 crises'/
c%      3                      '                   "so" to search for crises with selected soviet
c%      4 objectives'/
c%      5                      '                   "sa" to search for crises with selected soviet
c%      6 actions'/
c%      7                      '                   "dc" to display actions/objectives for a/
c%      8                      '                     selected crisis - identified by no.')
c%  117 format('                   "rl" to examine soviet actions associated'/
c%      9                      '                     historically with a set of objectives'/
c%      9                      '                   "en" to end this program')
c%          write(6,115)
c%  115 format(//)
c%   11 read(5,121) is
c%  121 format(a2)
c%          call clr
c%          if (is.eq.'la') go to 8
c%          if (is.eq.'lo') go to 10
c%          if (is.eq.'lc') go to 12
c%          if (is.eq.'so') go to 14
c%          if (is.eq.'sa') go to 16
c%          if (is.eq.'dc') go to 18
```

```
c%      if (is.eq.'rl') go to 50
c%       if (is.eq.'en') go to 99
c%    9 write(6,122)
c% 122  format(/' please enter "la","lo","lc","so","sa","dc","rl","en"')
        goto 1233
9    . write(6,1441)
1441  format(/,' PRESS [RETURN] TO CONTINUE')
        read(5,1234) iii
1234    format(a1)
1233    imen=menu('LIST 64 SOVIET ACTIONS,LIST 59 OBJECTIVES,
     >LIST 101 CRISES,FIND CRISES WITH SELECTED OBJECTIVES,
     >FIND CRISES WITH SELECTED SOVIET ACTIONS,
     >DISPLAY ACTIONS/OBJECTIVES FOR A CRISIS,
     >EXAMINE ACTIONS FOR A SET OF OBJECTIVES,
     >HELP,EXIT,
     >ASCEND TO CTO PROGRAM MENU>',
     >'          SOVIET ACTIONS/OBJECTIVES >')
        call clr.....
        if (imen.eq. 8) call help..; go to 9
         if (imen.eq.9) call uexecl('/u1/demo/6',0)
         if (imen.eq.10) call uexecl('/u1/demo/pie',0)
         goto (8,10,12,14,16,18,50,99) imen
c%        go to 11
         goto 9
     8 write(6,130)
   130 format(/' SOVIET ACTIONS'/' -----------')
        call list(act,64)
        go to 40
    10 write(6,140)
   140 format(/' SOVIET OBJECTIVES'/' --------------')
        call list(obj,59)
        go to 40
    12 write(6,150)
   150 format(13x,' CRISES INVOLVING THE USSR BETWEEN 1946 AND 1975'/)
        call list(cri,101)
        go to 40
    14 call selec(obj,59,x)
        write(6,142)
   142 format(' CRISES WITH THESE OBJECTIVES WILL BE LISTED.'/)
        call search(cri,id2,ib,1711,59,x)
        goto 9
    16 call selec(act,64,x)
        write(6,144)
   144 format(' CRISES WITH THESE ACTIONS WILL BE LISTED')
        write(6,112)
        call search(cri,id1,ia,1690,64,x)
        goto 9
    18 write(6,170)
   170 format(//,' ENTER THE CRISIS ID NO. (1-101) ; IF YOU DO NOT KNOW
     1 THE NO., ENTER "999"')
        read(5,171) nn
   171 format(i3)
        call clr.....
        if (nn.le.101) go to 19
        if (nn .eq. 999) write(6,150)
        if (nn.eq.999) call list(cri,101)
```

```
          go to 18
     19 write(6,112)
        write(6,102) nn,(cri(j,nn),j=1,8)
        write(6,112)
        write(6,130)
        ls=id1(nn)
        le=id1(nn+1)-1
        line=5
        do 28 k=ls,le
        j=ia(k)
        write(6,102) j,(act(l,j),l=1,8)
    102 format(1x,i3,1x,8a8)
        line=line+1
        if (line.lt.25) go to 28
        write(6,1441)
        read(5,199) is
    199 format(a1)
        call clr
        line=0
     28 continue
        write(6,112)
        write(6,140)
        ls=id2(nn)
        le=id2(nn+1)-1
        do 29 k=ls,le
        j=ib(k)
        write(6,102) j,(obj(l,j),l=1,8)
        line=line+1
        if (line.lt.23) go to 29
        write(6,1441)
        read(5,199) is
        line=0
        call clr
     29 continue
cx   40 write(6,122)
cx        go to 11
     40   continue
          goto 9
     50 call selec(obj,59,x)
        call assoc(act,obj,x,kode)
        kode=kode+1
        goto 9
     99 stop
        end
        subroutine selec(lx,m,x)
        dimension lx(8,m),x(64),nm(2)
        real*8 lx,nm
        logical*1 is
        data nm(1)/'  ACTION'/
        data nm(2)/'OBJECTVE'/
        do 1 ll=1,63
      1 x(ll)=0
        i=1
        if (m.eq.59) i=2
      2 write(6,100) nm(i)
    100 format(//' ENTER NO. OF USSE ',a8,'  (ONE PER LINE)')
```

```
      write(6,101) nm(i)
  101 format(' END ENTRY OF ',a8,'S BY ENTERING "0"'/
     1         ' IF YOU DO NOT KNOW THE ID NOS. ENTER "999"')
    4 read(5,110) n
  110 format(i2)
      if (n.eq.0) go to 20
      if (n.le.m) go to 6
      if(n.eq.99) call clr
      if(n.eq.99) write(6,133) nm(i)
  133 format(' SOVIET ',a8,'S'/'---------------')
      if (n.eq.99) call list(lx,m)
      go to 2
    6 x(n)=1
      go to 4
   20 write(6,120) nm(i)
      write(6,122)
  122 format(' -------------------------------------------')
      do 24 k=1,m
      if (x(k)) 24,24,22
   22 write(6,130) k,(lx(j,k),j=1,8)
  130 format(1x,i2,1x,8a8)
  120 format(/1x,'YOU HAVE SELECTED THE FOLLOWING ',a8,'S:')
   24 continue
      write(6,122)
   26 write(6,140) nm(i),nm(i)
  140 format(/ ' ENTER "P" TO PROCEED  '/
     1         '       "D" TO DELETE AN ',a8/
     3         '       "A" TO ADD AN ',a8)
      read(5,150)is
  150 format(a1)
      if (is.eq.'p') go to 99
      if (is.eq.'d') go to 30
      if (is.eq.'a') go to 2
   30 write(6,120) nm(i)
      write(6,137) nm(i)
  137 format(' STOP DELETING ',a8,'S BY ENTERING "0"'/)
   32 read(5,110) n
      if (n.eq.0) goto 20
      x(n)=0
      go to 32
   99 call clr
      return
      end
      subroutine assoc(act,obj,x,kode),...
      dimension xx(4),ww(65),wn(65)
      dimension istr(27)
      dimension x(65),c(64,59),act(8,64),obj(8,59)
      dimension istq(57)
      integer c......
      logical*1 is
      real*8 act,obj
      data istr/26,67,111,110,100,105,116,105,111,110 97,108
     1,32,32,80,114,111,98,97,98,105,108,105,116,105,111,115/
      data istq/32,85,83,83,82,32,65,99,116,105,111,110,115,
     232,72,105,115,116,111,114,105,99,97,108,103,121,32,65,115,115,
     3111,99,105,97,116,101,100,32,87,105,116,104,32,116,104,101,32,79,90,
```

```
      4106,101,99,116,105,118,101,115/
      data xx/-1.,65.,1.,1./
      do 2 k=2,65
      wn(k)=0.
    2 ww(k)=0.
      if (kode.gt.0) go to 8
      open(unit=1,name='/u1/janice/sfac',type='old',readonly)
    6 read(1,100) j,i,f
  100 format(2i3,f6.4)
      if (j.gt.98) go to 7
      if (i.gt.64.or.j.gt.59) go to 6
      c(i,j)=int(f*100.)
  200 format(1x,3i4,f8.4)
      go to 6
    7 ww(1)=65.
      close(unit=1,dispose='save')
    8 write(6,110)
  110 format(5x,'OBJECTIVES',15x,'ACTIONS',34x,'%'/)
      line=2
      do 20 k=1,65
      if (x(k)) 4,20,4
    4 line=line+2
      if (line.le.25) go to 5
      line=1
      write(6,1441)
 1441 format(/,' PRESS [RETURN] TO CONTINUE')
      read(5,150) is
  150 format(a1)
      call ctru....
    5 write(6,111) (obj(ll,k),ll=1,8)
  111 format(/1x,8a8)
      do 10 j=1,64
      if (c(j,k)) 9,10,9
    9 write(6,112) j,(act(ll,j),ll=1,7),c(j,k)
      ww(j+1)=float(c(j,k))+ww(j+1)
      wn(j+1)=wn(j+1)+1.
      line=line+1
  112 format(9x,i2,1x,7a8,i4)
      if (line.le.26) go to 10
      write(6,1441)
      read(5,150) is
      call ctru....
      line=1
      write(6,110)
   10 continue
   20 continue
      write(6,115)
      write(6,113)
      write(6,114)
      read(5,150) is
  113 format(//' FOR A BAR CHART OF CONDITIONAL PROBABILITIES, ENTER "G"')
  114 format(' TO SKIP THE CHART, ENTER "P"')
  115 format(/,' TO OBTAIN A COPY OF THE PROBABILITIES HIT THE [MAKE COPY] KEY')
      if (is.ne.'g') return
      do 21 k=2,64
      if (wn(k).eq.0.) go to 21
```

13

```
         ww(k)=ww(k)/wn(k)
   21 continue
         type 1009
1009     format(' !wor 33 h !era w !graphic 1 35 !shrink !wor k !mon k')
         call initt(240)
         call binitt
         call dlimx(0.,65.)
         call dlimy(0.,100.)
         call vbarst(10,6,4)
         call xfrm(3)
         call check(xx,ww)
         call dsplay(xx,ww)
         call notate(330,730,27,istr)
         call notate(120,10,57,istq)
         call movabs(0,0)
         call anmode
         read(5,150) is
         call clr
         return
         end
         subroutine list(lx,m)
         dimension lx(8,m), nm(3)
         logical*1 is
         real*8 lx,nm
         i=1
         if(m .eq. 59) i=2
         if(m .eq. 101) i=3
         num = m
         do 10 k=1,m
         write(6,100) k,(lx(j,k),j=1,8)
  100 format(1x,i3,1x,8a8)
         if(k.ne.26.and.k.ne.52.and.k.ne.78) go to 10
         write(6,1441)
1441  format(/,' PRESS [RETURN] TO CONTINUE')
         read(5,110) is
  110 format(a1)
         call clr
         if(num - 64) 59,64,101
   59 write(6,60)
   60 format(' SOVIET OBJECTIVES',/,'----------------')
         goto 10
   64 write(6,65)
   65 format(' SOVIET ACTIONS',/,'-------------')
         go to 10
  101 write(6,102)
  102 format(' SOVIET CRISES',/,'-----------')
   10 continue
         return
         end
         subroutine search(cri,id,ix,m,n,x)
         dimension cri(8,101),id(132),ix(m),x(64),y(64)
         real*8 cri
         logical*1 is
         num=3
         do 50 k=1,101
         do 8 ll=1,63
```

14

```
    8 y(ll)=x(ll)
      ls=id(k),...
      le=id(k,+1)-1
      do 10 i=ls,le
      l=ix(i)
      y(l)=0
   10 continue
      s=0
      do 30 l=1,n
      s=s+y(l),...
   30 continue
      if (s) 50,32,50
   32 write(6,100) k,(cri(j,k),j=1,8)
      num=num+1
      if(num.ne.26.or.num.ne.52.or.num.ne.78) goto 50
      write(6,133)
  133 format(/,' PRESS [RETURN] TO CONTINUE')
      read(5,134) is
  134 format(a1)
  100 format(1x,i3,1x,8a8)
   50 continue
      num=num-3
      if (num-1) 52,53,51
   51 write(6,110) num
  110 format(/i3,1x,' CRISES WERE FOUND')
      go to 99
   52 write(6,120)
      go to 99
   53 write(6,122)
  122 format(' ONE CRISIS WAS FOUND')
  120 format(/' NO CRISES WITH THE SPECIFIED CHARACTERISTICS WERE FOUND.'/)
   99 return
      end
C
      subroutine clr
      type 101
  101   format(' !era.w')
      i=27
      j=12
      write(6,1) i,j
    1 format(1h ,2a1)
      return
      end
      subroutine help
      logical*1 is
    1 write(6,41)
   41 format(1x,' TYPE 1 IF YOU WANT TO SEE GENERAL SYSTEM INFORMATION.'/
      1 '  TYPE 2 IF YOU WANT TO SEE INFORMATION ON THIS PROGRAM.')
      read(5,42) ia
   42 format(i1)
      if( ia .lt. 1 .or. ia .gt. 2) goto 1
      call read(ia)
      return
      end
```

```
        subroutine read(ia).....
        dimension st(8)
        logical*1 is.
        real*8 st.
        call clr......
        line = 1
        goto (10,20) ia.
10      open(unit=1,name='/u1/janice/gshelp',type='old',readonly)
1       read(1,100,end=90) (st(j),j=1,8)
        write(6,100) (st(j),j=1,8)
100     format(1x,8a8)
        line = line +1
        if(line .le. 26) goto 1
        write(6,41)
41      format(/,' PRESS [RETURN] TO CONTINUE')
        read(5,42) is
42      format(a1)
        call clr......
        line = 1
        go to 1
20      open(unit=1,name='/u1/janice/shelp1',type='old',readonly)
        go to 1
90      write(6,43)
43      format(1x,' DO YOU WANT TO SEE INFORMATION ON THE OTHER SECTION?'/
       1 ' ANSWER (Y OR N)')
        close(unit=1,dispose='save')
        read(5,42) is
        if(is .eq. 'n') goto 99
        line = 1
        call clr......
        if(ia .eq. 1) go to 20
        if(ia .eq. 2) goto 10
99      return..
        end....
```

```
      dimension kp(101,43),kc(101,14),np(14),mp(15)
      dimension y(14),z(101),u(43)
      dimension cr(9,101),ca(9,14),pr(9,43)
      dimension iyr(101)
      real*8 cr,ca,pr
      call ctru.....
      open(unit=1,name='/u1/janice/scr101',type='old',readonly)
      do 1 i=1,101
      read(1,101)(cr(j,i),j=1,9)
  101 format(1x,9a8)
    1 continue.....
      rewind 1
      do 11 i=1,101
      read (1,102)iyr(i)
   11 continue....
  102 format(1x,i4)
      close(unit=1,dispose='save')
      open(unit=1,name='/u1/janice/sovpcats',type='old',readonly)
      do 2 i=1,14
      read(1,101)(ca(j,i),j=1,9)
    2 continue..
      close(unit=1,dispose='save')
      open(unit=1,name='/u1/janice/sovprob',type='old',readonly)
      do 3 i=1,43
      read(1,101) (pr(j,i),j=1,9)
    3 continue.
      close(unit=1,dispose='save')
      open(unit=1,name='/u1/janice/ussrdatp',type='old',readonly)
      do 4 k=1,101
    4 read(1,100)(kp(k,j),j=1,43)
      read(1,110)(np(j),j=1,14)
  110 format(14i1)
  100 format(43i1)
      close(unit=1,dispose='save')
      mp(1)=1
      do 6 k=1,14
    6 mp(k+1)=mp(k)+np(k)
      do 603 i=1,101
      do 602 k=1,14
      kc(i,k)=0
      ls=mp(k).....
      le=mp(k+1)-1
      do 601 l=ls,le
      if (kp(i,l)-1) 601,600,601
  600 kc(i,k)=1
      go to 602
  601 continue.
  602 continue.
  603 continue.
  130 format(' -----------------------------------------------------------
     1--------------')
cx       write(6,135)
cx  135 format(' please enter "lc" to list the 101 cr ses'/
cx    1          '              "lp" to list the 43 problems '/
cx    2          '              "sp" to search for all crises with selected'
cx    3          ' problems'/)
```

17

```
c%      8       '                    "gp" to plot no. crises with selected problems'/
c%      4       '                    "dp" to display problems in a specific crisis'/
c%      5       '                    "he" for additional information'/
c%      7       '                    "en" to end this program')
c%      write(6,130)
c%    8 read(5,140) is
  140 format(a2)
c%      if (is.eq.'lc') call list(cr,101)
c%      if (is.eq.'lp') call list(pr,43)
c%      if (is.eq.'sp') go to 40
c%      if (is.eq.'gp') go to 40
c%      if (is.eq.'dp') go to 10
c%      if (is.eq.'he') call help(cr,ca,pr)
c%      if (is.eq.'en') go to 99
c%      write(6,144)
        go to 888
    8   write(C,1411)
 1411   format(/' PRESS [RETURN] TO CONTINUE')
 8181   read(5,143) ia
  888       imen=menu('LIST THE 101 CRISES,LIST THE 43 PROBLEMS,
        >SEARCH FOR ALL CRISES WITH SELECTED PROBLEMS,
        >PLOT CRISES WITH SELECTED PROBLEMS,
        >DISPLAY PROBLEMS IN A SPECIFIC CRISIS,
        >HELP,
        >EXIT,
        >ASCEND TO CTO PROGRAM MENU>',
        >'                  SOVIET CRISIS MANAGEMENT PROBLEMS>')
        call errset(75,.true.,.false.,.false.,.false.,32000)
        call clr
        if (imen.eq.1) call list(cr,101)
        if (imen.eq.2) call list(pr,43)
        if (imen.eq.3) is='sp'; goto 40
        if (imen.eq.4) is='gp'; goto 40
        if (imen.eq.5) goto 10
        if (imen.eq.6) call help
        if (imen.eq.7)   call uexecl('/u1/demo/6',0)
        if (imen.eq.8) call uexecl('/u1/demo/pie',0)
        goto 8
   10 call clr
   12 write(6,158)
  158 format(//' ENTER THE CRISIS ID. (1-101); IF YOU DO NOT KNOW THE ID.
       1 ENTER "999".')
        read(5,142) nn
  142 format(i3)
        if (nn.le.101) go to 14
        if (nn.eq.999) call list(cr,101)
        go to 12
   14 call clr
        line=3
        write(6,130)
        write(6,147) nn,(cr(j,nn),j=1,8)
  147 format(1x,i3,1x,8a8)
        write(6,130)
        do 30 k=1,14
        if(line.gt.22)write(6,1411);read(5,101)is;call clr ; line=1
        if (kc(nn,k)) 30,30,20
```

```
   20 write(6,122)(ca(j,k),j=1,8)
      line=line+2
      if.(line.le.22) go to 21
      write(6,1411) ; read(5,101) is
      call clr.....
      line=1
  122 format(/1x,8a8)
   21 ls=mp(k)
      le=mp(k+1)-1
      do 24 i=ls,le
      if (kp(nn,i)-1) 24,22,24
   22 write(6,124) i,(pr(j,i),j=1,8)
      line=line+1
      if.(line.lt.26) go to 24
      read(5,101) is
      write(6,1411)
      call clr......
      line=1
  124 format(3x,i3,'.',1x,8a8)
   24 continue
   30 continue. /
c.  13 read(5,101) is.
cc      call clr........
c%      write(6,144)
c%  144 format(/' enter "lc","lp","sp","dp","gp","he",or "en"'/)
      go.to.8
   40 do 42 k=1,43
   42 u(k)=0
      ia='a'
   50 write (6,160)
  160 format(' ENTER THE PROBLEM ID. NO.. (1-43); END BY ENTERING AN "0"',/,
     1 ' TYPE "999"  IF YOU DO NOT KNOW THE ID. NUMBER.')
   52 read(5,142) nn
      if.(nn.eq.0) go.to 60
      if(nn .eq. 999) call list(pr,43)
      if(nn .eq. 999) write(6,1411)
      if(nn.eq.999) read(5,101) is
      if(nn.eq. 999) call clr.
      if. (nn.gt.43) go to 50
      u(nn)=1
      if (ia.eq.'d') u(nn)=0
      go.to.52
   60   write(6,1411)
      read(5,143) is
      call clr......
      write(6,170)
  170 format(' YOU HAVE SELECTED THE FOLLOWING PROBLEMS :'/)
      do 64 k=1,43
      if. (u(k)) 62,64,62
   62 write(6,147) k,(pr(j,k),j=1,6)
   64 continue
      write(6,172)
  172 format(//'   ENTER "P" TO PROCEED'/
     1      '            "A" TO ADD PROBLEMS'/
     2      '            "D" TO DELETE PROBLEMS'/)
   65 read(5,143) ia
```

```
  143 format(a1)
      if.(ia.eq.'p') go.to.70
      if(ia..eq. 'a') write(6,1311)
 1311    format(' ENTER THE PROBLEM ID. NO. (1-43) OF THE PROBLEM'/
     1  ' TO BE ADDED. (ONE PER LINE) END BY ENTERING AN "0"'/)
      if.(ia.eq.'a') go to 52
      if( ia..eq. 'd') write(6,1312)
 1312    format(' ENTER THE PROBLEM ID. NO. (1-43) OF THE PROBLEM'/
     1  ' TO BE DELETED. (ONE PER LINE) END BY ENTERING AN "0"')
      if.(ia.eq.'d') go to 52
      go.to.65
   70    if(imen .eq. 4) write(6,1512)
 1512    format(' PRESS THE [MAKE COPY] KEY TO OBTAIN A COPY OF THE PROBLEMS')
      write(6,1411)
      read(5,143) is
      call.clr
      do.80 i=1,101
      z(i)=1
      do.74 k=1,43
      if..(u(k)) 74,74,72
   72 if.(kp(i,k).eq.1) go.to.80
      z(i)=0
   74 continue.
   80 continue..
      if.(imen..eq. 3) go.to.81
      call.plot(z,iyr)
      go.to.8181
   81 write(6,190)
  190 format(' THE FOLLOWING CRISES HAD THE SPECIFIED PROBLEMS :'/)
      line=2
      do.83 i=1,101
      if.(z(i)) 83,83,82
   82 write(6,147) i,(cr(j,1),j=1,8)
      line=line+1
      if.(line.le.26) go.to.83
      write(6,1411)
      read(5,143) is
      call.clr
      line=1
   83 continue..
      go.to.8
   99 continue..
      stop..
      end...
      subroutine.clr..
        type 111
  111    format(/,.[era,w.),...
      i=27
      j=12
      write(6,1) i,j.
    1 format(1h..,2a1)
      return
      end...
      subroutine.list(lx,n),....
      dimension.lx(8,n)
      real*8 lx.
```

20

```
        logical*1 is
        call clr
        line=1
          num = n
        if (num-43) 10,30,20
   10 write(6,210)
  210 format(' THE 14 PROBLEM CATEGORIES ARE :'/)
        go to 40
   20 write(6,220)
  220 format(' THE 101 CRISES ARE :'/)
        go to 40
   30 write(6,230)
  230 format(' THE 43 PROBLEMS CODED FOR THIS DATA SET ARE :'/)
   40 do 42 k=1,n
        write (6,100) k,(lx(j,k),j=1,8)
  100 format(1x,i3,1x,8a8)
        line=line+1
        if (line .lt. 27) go to 42
        write(6,1411)
 1411 format(/,' PRESS [RETURN] TO CONTINUE')
        read(5,101) is
  101 format(a1)
        call clr
        line=1
          if(num - 43)11,13,12
   11    write(6,210)
        goto 42
   12    write(6,220)
        goto 42
   13    write(6,230)
   42 continue
        return
        end
        subroutine help
        logical*1 is
    1   write(6,41)
   41   format(1x,' TYPE 1 IF YOU WANT TO SEE GENERAL SYSTEM INFORMATION.'/
       1 '   TYPE 2 IF YOU WANT TO SEE INFORMATION ON THIS PROGRAM.')
        read(5,42) ia
   42   format(i1)
        if( ia .lt. 1 .or. ia .gt. 2) goto 1
        call read(ia)
        return
        end



        subroutine read(ia)
        dimension st(8)
        logical*1 is
        real*8 st
        call clr
        line = 1
        goto (10,20) ia
```

```
10      open(unit=1,name='/u1/janice/gshelp',type='old',readonly)
1       read(1,100,end=90) (st(j),j=1,8)
        write(6,100) (st(j),j=1,8)
100     format(1x,8a8)
        line = line +1
        if(line .le. 26) goto 1
        write(6,41)
41      format(/,' PRESS [RETURN] TO CONTINUE')
        read(5,42) is
42      format(a1)
        call clr
        line = 1
        go to 1
20      open(unit=1,name='/u1/janice/shelp2',type='old',readonly)
        go to 1
90      write(6,43)
43      format(1x,' DO YOU WANT TO SEE INFORMATION ON THE OTHER SECTION?'/
     1  ' ANSWER (Y OR N)')
        close(unit=1,dispose='save')
        read(5,42) is
        if(is .eq. 'n') goto 99
        line = 1
        call clr
        if(ia .eq. 1) go to 20
        if(ia .eq. 2) goto 10
99       return
        end

        subroutine plot(z,iyr)
        dimension z(101),iyr(101),xdata(4),ydata(33),is(33),is2(6)
        data xdata/-1.,32.,1946.,1./
        data is1/78,111,46,32,67,114,105,115,101,115,32,119,105,
     1  116,104,32,83,101,108,101,99,116,101,100,32,80,114,111,98,
     2  108,101,109,115/
        data is2/5,89,101,97,114,115/
        do 10 k=2,33
10      ydata(k)=0.
        ydata(1)=32.
        do 20 i=1,101
        if (z(i).eq.0) go to 20
        n=iyr(i)-1944
        if (n.gt.33) go to 20
        ydata(n)=ydata(n)+1.
20      continue
        type 1009
1009    format(' !wor 33 h !era w !graphic 1 35 !shrink !wor k !mon k')
        call initt(240)
        call binitt
        call xfrm(3)
        call check(xdata,ydata)
        call vbarst(10,4,8)
        call dsplay(xdata,ydata)
        call notate(300,720,33,is1)
        call notate(500,10,5,is2)
90      format(a1)
        call anmode
```

22

```
      return
      end
```

```
      dimension cr(8,386),kc(29,386),kdur(4),li(18),kod(18)
      dimension mon(12),act(3,9),obj(3,6),pbj(3,6)
      dimension r1(2,2),r2(2,3),r3(2,4),r5(2,2),r4(2,2),r6(2,4),r7(2,6)
      integer*4 mon
      real*8 cr,kdur,act,obj,r1,r2,r3,r4,r5,r6,pbj,r7
      logical*1 is
      data kdur/'SHORT   ','MEDIUM  ','LONG    ','> YEAR  '/
      data mon/'JAN','FEB','MAR','APR','MAY','JUN','JUL',
     1'AUG','SEP','OCT','NOV','DEC'/
      data act/'DOMESTIC','  DANGER ','        ','RIOT, CI','VIL DISO',
     1'RDER    ','REVOLT,I','NSURGENC','Y       ','WAR OF N',
     2'ATL LIBE','RATION  ','COUP    ','        ','        ','        ',
     3'STRUCTUR','AL CHANG','E       ','BORDER I','NCIDENT ',
     4'        ','FOREIGN ','INTERVEN','TION    ',
     5'WAR     ','        ','        '/
      data pbj/'NOT APPL','ICABLE  ','        ','OPPOSE P','RESERVAT',
     1'ION     ','OPPOSE R','ESTORATI','ON      ','OPPOSE C',
     2'HANGE   ','        ','NOT CODE','D       ','        ',
     3'INDIFFER','ENCE    ','        '/
      data obj/'NOT APPL','ICABLE  ','        ','FAVOR PR','ESERVATI',
     1'ON      ','FAVOR RE','STORATIO','N       ','FAVOR CH',
     2'ANGE    ','        ','NOT CODE','D       ','        ',
     3'INDIFFER','ENCE    ','        '/
      data kod/1,4,7,15,20,13,14,18,19,21,16,23,24,25,26,27,28,29/
      data r1/'UNITED S','TATES   ','MEXICO O','R CANADA'/
      data r2/'CANTRAL ','AMERICA ','CARIBBEA','N       ','SOUTH AM',
     1'ERICA   '/
      data r3/'WESTERN ','EUROPE  ','GRCE,TUR','K,CYPRUS','YUGOSLAV',
     1',ALBANIA','ATLANTIC','-ISL,SEA'/
      data r4/'EASTERN ','EUROPE  ','USSR    ','        '/
      data r5/'MID-EAST','        ','NORTH A','FRICA   '/
      data r6/'SOUTH AS','IA      ','HORN OF ','AFRICA  ','INDIAN O',
     1'CEAN    ','SUBSAHAR','AFRICA  '/
      data r7/'PRC     ','        ','KOREA   ','        ','MONGOLIA',
     1'        ','SOUTHEAS','T ASIA  ','INDON,MA','LAYSIA  ',
     2'OTHER AS','IAN     '/
      open(unit=1,name='/u1/janice/scr386',type='old',readonly)
      do 1 i=1,386
    1 read(1,100)(cr(j,i),j=1,8)
  100 format(8a8)
      close(unit=1,dispose='save')
      open(unit=1,name='/u1/janice/sovc',type='old',readonly)
      do 2 i=1,386
      read(1,110) (kc(j,i),j=1,29)
      kc(14,i)=kc(14,i)+1
      kc(15,i)=kc(15,i)+1
      kc(16,i)=kc(16,i)+1
      kc(17,i)=kc(17,i)+1
      kc(19,i)=kc(19,i)+1
      kc(21,i)=kc(21,i)+1
      kc(23,i)=kc(23,i)+1
      kc(24,i)=kc(24,i)+1
      kc(27,i)=kc(27,i)+1
    2 continue
  110 format(3x,612,231:///)
      close(unit=1,dispose='save')
```

```
        call clr........
   130 format(' ----------------------------------------------------------
      1------------')
c%        write(6,140)
c%   140 format(' enter "sc" to search for crises with selected'/
c%      1      '               characteristics'/
c%      2      '               "dc" to display the characteristics for'/
c%      3      '               a selected crisis'/
c%      4      '               "he" for help'/
c%      5      '               "en" to end this program')
c%        write (6,130)
c%     3 read(5,150) is
   150 format(a2)
c%        if (is.eq.'sc') go to 10
c%        if (is.eq.'dc') go to 50
c%        if (is.eq.'en') go to 99
c%        if (is.eq.'he') call help
c%        read(5,150) is
c%        call clr
c%        write(6,320)
          go to 1018
     3    write(6,1411)
  1411    format(/,' PRESS [RETURN] TO CONTINUE')
          read(5,150) is
  1018    type 1019
  1019    format(' !wor 33 h !era w !graphic 1 35 !shrink !wor k !mon k')
          imen=menu('LIST THE 386 SOVIET CRISES,
      >FIND CRISES WITH SELECTED CHARACTERISTICS,
      >DISPLAY CHARACTERISTICS FOR SELECTED CRISIS,
      >HELP,
      >EXIT,
      >ASCEND TO CTO PROGRAM MENU>',
      >'          SOVIET CRISIS MANAGEMENT DATA SYSTEM>')
          call clr....
          if(imen.eq. 1) call list(cr,386) ; goto 3
          if (imen.eq.2) goto 10
          if (imen.eq.3) goto 50
          if (imen.eq.4) call help; goto 3
          if (imen.eq.5) call uexecl('/u1/demo/6',0)
          if (imen.eq.6) call uexecl('/u1/demo/pie',0)
    10 do 12 k=1,18
    12 ii(k)=0
       write(6,400)
   400 format(' ENTER BEGINNING AND ENDING YEARS FOR THE TIME PERIOD OF
      1  INTEREST'/' EXAMPLE : ENTER 1946-1953 AS "46-53"')
       read(5,401) ii(1),ii(2)
   401 format(i2,1x,i2)
       if (ii(i).lt.46.or.ii(2).gt.75) go to 10
       write(6,402)
   402 format(' ENTER JCS REGION OF INTEREST (1-9); ENTER "0" FOR ALL')
       read(5,403) ii(3)
   403 format(i1)
       write(6,1411)
       read(5,1412) is
  1412    format(a1)
          call clr......
```

```
      write(6,404)
  404 format(' DO YOU WISH TO SPECIFY VALUES OF THE 15 ADDITIONAL
     1DESCRIPTORS ? (Y OR N) ')
      read(5,153) is
      if (is.eq.'n') go to 20
      write(6,408)
  408  format(' THE DESCRIPTORS AND THEIR ALLOWED RANGES WILL BE
     1 PRESENTED.'/' CHOOSE ONE VALUE FOR EACH. A "0" ENTRY WILL
     2  CAUSE THIS DESCRIPTOR TO BE.'/' IGNORED IN THE FILE SEARCH.'/)
      write(6,405)
  405 format(' ENTER SCOPE : 1=DOMESTIC; 2=INTL ')
      read(5,403) ii(4)
      write(6,398)
  398 format(' ENTER ACTOR CODE : 1=INTERNAL ACTORS'/
     1                            2=LARGE POWERS'/
     2                            3=BOTH LARGE AND SMALL POWERS'/
     3                            4=SMALL POWERS ONLY')
      read(5,403) ii(5)
      write(6,406)
  406 format(' ENTER CHARACTER : 1=POTENTIAL; 2=ATTEMPTED; 3=ACTUAL')
      read(5,403) ii(6)
      write(6,407)((l1,(act(l2,l1),l2=1,3),l1=1,9)
  407 format(' ENTER TYPE : ',i1,'=',3a8/(13x,i2,'=',3a8))
      read(5,403) ii(7)
      write(6,1411)
      read(5,1412) is
      call uctru...
      write(6,410)
  410 format(' ENTER GEOPOLITICAL LOCATION : 1=USSR'/
     2                                       2=GERMANIES/BERLIN'/
     3                                       3=WARSAW PACT STATES'/
     4                                       4=PRC'/
     5                                       5=KEY BORDER STATES'/
     6                                       6=MIDDLE EAST'/
     7                                       7=NON-KEY STATES')
      read(5,403) ii(8)
      write(6,412)
  412 format(' ENTER CODE FOR SOVIET INVOLVEMENT : 1=DIRECT'/
     2                                             2=INDIRECT')
      read(5,403) ii(9)
      write(6,420)
  420 format(' ENTER CODE FOR STRATEGIC CONFRONTATION : 1=NO'/
     2                                                  2=POTENTIAL'/
     3                                                  3=ACTUAL')
      read(5,403) ii(10)
      write(6,430)
  430 format(' ENTER THREAT TO CP : 1=NONE'/
     2                              2=WELL-BEING THREATENED'/
     3                              3=SURVIVAL THREATENED')
      read(5,403) ii(11)
      write(6,432)
  432 format(' ENTER SOVIET OBJECTIVES FOR SUPPORTED SET : 1=PRESERVE'/
     2                                                     2=RESTORE'/
     3                                                     3=CHANGE'/
     4                                                     4=INDIFFERENT')
      read(5,403) ii(12)
```

26

```
         write(6,434)
434 format(' ENTER SOVIET OBJECTIVES FOR OPPOSED SET : 1=OPPOSE PRESERVATION'/
   2          '                                          2=OPPOSE RESTORATION'/
   3          '                                          3=OPPOSE CHANGE'/
   4          '                                          4=INDIFFERENT')
         read(5,403) ii(13)
         write(6,1411)
         read(5,1412) is
         call clr.....
         write(6,435)
435 format(' ENTER CODE FOR SOVIET MANAGEMENT CAPABILITIES :'/
   1' 1=SUBSTANTIAL'/
   2' 2=MODERATE'/
   3' 3=MINOR')
         read(5,403) ii(14)
         write(6,436)
436 format(' ENTER CODE FOR SOVIET VERBAL BEHAVIOR : 1=NOTES CRISIS'/
   1          '                                        2=COMMENTS'/
   2          '                                        3=THREATS')
         read(5,403) ii(15)
         write(6,437)
437 format(' ENTER CODE FOR SOVIET ACTIONS : 1=NO DATA'/
   1          '                                2=NO COMBAT;FEW DETAILS'/
   2          '                                3=NO MIL PER IN AREA'/
   3          '                                4=MIL PER IN AREA'/
   4          '                                5=COMBAT')
         read(5,403) ii(16)
         write(6,438)
438 format(' ENTER CODE FOR SOVIET OUTCOME : 1=FAVORABLE'/
   1          '                                2=MIXED'/
   2          '                                3=UNFAVORABLE')
         read(5,403) ii(17)
         write(6,439)
439 format(' ENTER CODE FOR SOVIET ALLIES OUTCOME : CODES AS ABOVE')
         read(5,403) ii(18)
         go to 20
 19 read(5,440) (ii(k),k=4,18)
440 format(15i1)
 20      write(6,1411)
         read(5,1412) is
         call clr.....
         line=2
         write(6,1415)
1415 format(' CRISES WITH THE SPECIFIED CHARACTERISTICS WILL BE LISTED'/)
         do 30 i=1,386
         if (kc(1,i).lt.ii(1)) go to 30
         if (kc(1,i).gt.ii(2)) go to 30
         l=2
 22 l=l+1
         if (l.eq.19) go to 24
         m=kod(l)..
         if (ii(l).eq.0) go to 22
         if (ii(l).ne.kc(m,i)) go to 30
         go to 22
 24 write(6,180) i,(cr(j,i),j=1,8)
         line=line+1
```

27

```
      if (line.lt.26) go to 30
      write(6,1411)
      read(5,1412)
      call ctr......
      line=0
   30 continue..
cx       write(6,320)
      go to 3
   50 write(6,160)
  160 format(//' ENTER THE CRISIS NUMBER (1-386).'./' TYPE "999" IF YOU DO NOT ,
     1 KNOW THE NUMBER.')
      read(5,170) i.
  170 format(i3)
      if (i.eq.999) call list(cr,386)
      if(i .eq. 999) goto 50
      write(6,180) i.(cr(j,1),j=1,8)
  180 format(1x,i3,1x,8a8)
   52 write(6,190)
  190 format(' OK ? (Y OR N)')
      read(5,153) is..
  153 format(a1)
      if (is.eq.'n') go to 50
      if (is.ne.'y') go to 52
      write(6,1411)
      read(5,1412) is
      call ctr......
      write (6,130)
      write  (6,180) i.(cr(j,1),j=1,8)
      write(6,130)
      if (kc(4,1).gt.0) go to 4
       write(6,202) kc(3,1),mon(kc(2,1)),kc(1,1)
  201 format(10x,'DATES : ',i2,1x,a3,1x,i2,' - PRESENT')
  202 format(10x,'DATES : ',i2,1x,a3,1x,i2,' - UNKNOWN/ONGOING')
      go to 6
    4 if (kc(4,1).lt.99) go to 5
      write(6,201) kc(3,1),mon(kc(2,1)),kc(1,1)
      go to 6
    5 write (6,200) kc(3,1),mon(kc(2,1)),kc(1,1),kc(6,1),mon(kc(5,1))
     1,kc(4,1),kdur(kc(22,1))
  200 format(10x,'DATES : ',i2,1x,a3,1x,i2,' - ',i2,1x,a3,1x,i2,' (',
     1a8,')')
    6 jr=kc(7,1)
      js=kc(8,1)
      if (jr.eq.0) write(6,610)
      if (jr.eq.1) write(6,601)  (r1(j,js),j=1,2)
      if (jr.eq.2) write(6,602)  (r2(j,js),j=1,2)
      if (jr.eq.3) write(6,603)  (r3(j,js),j=1,2)
      if (jr.eq.4) write(6,604)  (r4(j,js),j=1,2)
      if (jr.eq.5) write(6,605)  (r5(j,js),j=1,2)
      if (jr.eq.6) write(6,606)  (r6(j,js),j=1,2)
      if (jr.eq.7) write(6,607)  (r7(j,js),j=1,2)
      if (jr.eq.8) write(6,608)
      if (jr.eq.9) write(6,609)
      k=kc(15,1)
  601 format(9x,'REGION : NORTH AMERICA'/5x,'SUB-REGION : ',2a8)
  602 format(9x,'REGION : CENTRAL & SOUTH AMERICA'/5x,'SUB-REGION : ',2a8)
```

```
603 format(9x,'REGION : W. EUROPE, MED, ATLANTIC '/5x,'SUB-REGION : ',2a8)
604 format(9x,'REGION : EASTERN EUROPE & USSR'/5x,'SUB-REGION : ',2a8)
605 format(9x,'REGION : ME &  NO AFRICA'/5x,'SUB-REGION : ',2a8)
606 format(9x,'REGION : SO ASIA, INDIAN OCEAN, & SUBSAHARAN AFRICA'/
   15x,'SUB-REGION : ',2a8)
607 format(9x,'REGION : PACIFIC & EAST ASIA'/5x,'SUB-REGION : ',2a8)
608 format(9x,'REGION : POLAR REGIONS')
609 format(9x,'REGION : SPACE')
610 format(9x,'REGION : MULTIPLE, THE WORLD, AT THE UN')
    write(6,220)
220 format(10x,'SCOPE : ',$)
    if.(k.eq.1) write(6,221)
221 format(1x,'DOMESTIC'/)
    if.(k.eq.2) write(6,222)
222 format(1x,'INTERNATIONAL'/)
    k=kc(20,i)
    write(6,230)
230 format(9x,'ACTORS : ',$)
    if.(k.eq.1) write(6,231)
231 format(1x,'INTERNAL'/)
    if.(k.eq.2) write(6,232)
232 format(1x,'TWO (OR MORE) LARGE POWERS'/)
    if.(k.eq.3) write(6,233)
233 format(1x,'BOTH LARGE AND SMALL POWERS'/)
    if (k.eq.4) write(6,234)
234 format(1x,'SMALL POWERS ONLY'/)
    k=kc(13,i)
    m=kc(14,i)
    if.(m.eq.10) go to 14
    write(6,240)
240 format(6x,'CHARACTER : ',$)
    if (k.eq.1) write(6,241) (act(j,m),j=1,3)
241 format(1x,'POTENTIAL ',3a8/)
    if (k.eq.2) write(6,242) (act(j,m),j=1,3)
242 format(1x,'ATTEMPTED ',3a8/)
    if (k.eq.3) write(6,243) (act(j,m),j=1,3)
243 format(1x,3a8/)
 14 k=kc(17,i)
    write(6,250)
250 format(1x,'VIOLENCE LEVEL : ',$)
    if.(k.eq.1) write(6,251)
251 format(1x,'NON-VIOLENT ACTIONS'/)
    if.(k.eq.2) write(6,252)
252 format(1x,'INJURY TO PERSONS OR PROPERTY'/)
    write(6,260)
260 format(/' SOVIET INTEREST AND INVOLVEMENT'
   1,/       '  ------------------------------'/)
    write(6,270)
270 format(1x,'GEOPOLITICAL LOCATION : ',$)
    k=kc(18,i)
    if.(k.eq.0) write(6,271)
271 format(1x,'NOT RELEVANT'/)
    if.(k.eq.1) write(6,272)
272 format(1x,'HOMELAND(USSR)'/)
    if.(k.eq.2) write(6,273)
273 format(1x,'GERMANIES(BERLIN)'/)
```

29

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      if.(k.eq.3) write(6,274)
  274 format(1x,'WARSAW PACT STATES (PRIMARY BUFFER ZONE)'/)
      if (k.eq.4) write(6,275)
  275 format(1x,'PEOPLES REPUBLIC OF CHINA'/)
      if.(k.eq.5) write(6,276)
  276 format(1x,'A KEY BORDER STATE'/)
      if.(k.eq.6) write(6,277)
  277 format(1x,'MIDDLE EAST'/)
      if.(k.eq.7) write(6,278)
  278 format(1x,'A NON-KEY STATE'/)
      k=kc(19,1)
      write(6,280)
  280 format(1x,'SOVIET INVOLVEMENT IN CRISIS : ',$)
      if.(k.eq.1) write(6,281)
  281 format(1x,'NO DIRECT INVOLVEMENT'/)
      if.(k.eq.2) write(6,282)
  282 format(1x,'DIRECT SOVIET INVOLVEMENT'/)
      k=kc(21,1)
      write(6,290)
  290 format(1x,'STRATEGIC CONFRONTATION: ',$)
      if.(k.eq.1) write(6,291)
  291 format(1x,'NO'/)
      if.(k.eq.2) write(6,292)
  292 format(1x,'POTENTIAL'/)
      if.(k.eq.3) write(6,293)
  293 format(1x,'YES'/)
      k=kc(16,1)
      write(6,300)
  300 format(' PERCEIVED THREAT TO COMMUNIST PARTY, MOVEMENT, OR
     1REGIME : ',$)
      if.(k.eq.1) write(6,301)
  301 format(1x,'NEITHER WELL-BEING NOR SURVIVAL THREATENED'/)
      if.(k.eq.2) write(6,302)
  302 format(1x,'WELL-BEING THREATENED'/)
      if.(k.eq.3) write(6,303)
  303 format(1x,'SURVIVAL THREATENED '/)
      write(6,1411)
      read(5,1412) is
      callactr.....
      write(6,310)
  310 format(' SOVIET OBJECTIVES RE STATUS QOU ON IN-THEATER ACTORS :'
     1/14x,'SUPPORTED SET',20x,'OPPOSED SET'/14x,'-------------',20x,
     2'-------------')
      ks=kc(23,1)
      kns=kc(24,1)
      write(6,311) (obj(j,ks),j=1,3),(pbj(l,kns),l=1,3)
  311 format(14x,3a8,7x,3a8/)
cx 320 format(/' enter "sc", "dc", or "en"')
c.    read(5,153) ia
      write(6,330)
  330 format(' SOVIET CAPABILITIES'/' --------------------'/)
      k=kc(25,1)
      write(6,335)
  335 format(' IN-THEATER CRISIS MANAGEMENT CAPABILITIES : ',$)
      if.(k.eq.0) write(6,331)
  331 format(1x,'UNCODABLE'/)
```

```
      if.(k.eq.1) write(6,332)
332 format(1x,'SUBSTANTIAL'/)
      if.(k.eq.2) write(6,333)
333 format(1x,'MODERATE'/)
      if (k.eq.3) write(6,334)
334 format(1x,'MINOR/NEGLIGIBLE'/)
      write(6,340)
340 format(/' SOVIET BEHAVIOR'/' ----------------'/)
      write(6,341)
341 format(' VERBAL BEHAVIOR : ',$)
      k=kc(26,1)
      if.(k.eq.0) write(6,342)
342 format(1x,'UNCODABLE'/)
      if (k.eq.1) write(6,343)
343 format(1x,'USSR NOTES EXISTENCE OF EVENTS/SITUATION'/)
      if (k.eq.2) write(6,344)
344 format(1x,'VERBAL ACTIVITIES FOCUSED ON CRISIS SHORT OF THREATS'/)
      if (k.eq.3) write(6,345)
345 format(1x,'THREATS'/)
      write(6,350)
350 format(' PHYSICAL ACTIONS : ',$)
      k=kc(27,1)-1
      if.(k.eq.0) write(6,351)
351 format(1x,'NO DATA AVAILABLE ON ACTIONS'/)
      if.(k.eq.1) write(6,352)
352 format(1x,'ACTION SHORT OF COMBAT: NO DETAILS AVAILABLE'/)
      if.(k.eq.2) write(6,353)
353 format(1x,'ACTION SHORT OF COMBAT: NO SOVIET MIL PER IN AREA'/)
      if (k.eq.3) write(6,354)
354 format(1x,'ACTION SHORT OF COMBAT: SOVIET MIL PER IN CRISIS AREA'/)
      if (k.eq.4) write(6,355)
355 format(1x,'COMBAT INVOLVING SOVIET MILITARY PERSONNEL'/)
      if (k.eq.9) write(6,351)
      write(6,360)
360 format(/' CRISIS OUTCOME'/' ---------------'/)
      write(6,361)
      kode=0
361 FORmat(' FOR USSR : ',$)
      k=kc(28,1)
    8 kode=kode+1
      if.(k.eq.0) write(6,362)
362 format(1x,'UNCODABLE'/)
      if.(k.eq.1) write(6,363)
363 format(1x,'FAVORABLE'/)
      if (k.eq.2) write(6,364)
364 format(1x,'MIXED'/)
      if.(k.eq.3) write(6,365)
365 format(1x,'UNFAVORABLE'/)
      if (k.eq.4) write(6,366)
366 format(1x,'USSR INDIFFERENT TO OUTCOME'/)
      if.(k.eq.9) write(6,367)
367 format(1x,'N/A(NO APPARENT SOVIET ALLIES AMONG ACTORS)'/)
      k=kc(29,1)
      if.(kode.eq.2) go.to.16
      write(6,370)
370 format(' FOR SOVIET ALLIES : ',$)
```

31

```
          go.to.9
       16 continue
cx        write(6,320)
          go.to.3
       99 end..
          subroutine.help.
          logical*1 is.
 1        write(6,41)
 41       format(1x,' TYPE 1 IF YOU WANT TO SEE GENERAL SYSTEM INFORMATION.'/
        1 '   TYPE 2 IF YOU WANT TO SEE INFORMATION ON THIS PROGRAM.')
          read(5,42) ia
 42       format(11)
          if( ia .lt. 1 .or. ia..gt. 2) goto.1
          call.read(ia)...
          return
          end....


          subroutine.read(ia).....
          dimension.st(8)
          logical*1 is.
          real*8 st.
          call.clr.......
          line.. 1
          goto.(10,20) ia.

 10       open(unit=1,name='/u1/janice/gshelp',type='old' readonly)
 1        read(1,100,end=90) (st(j),j=1,8)
          write(6,100) (st(j),j=1,8)
 100      format(1x,8a9)
          line. = line.+1
          if(line..le. 26) goto.1
          write(6,41)
 41       format(/,' PRESS [RETURN] TO CONTINUE')
          read(5,42) is
 42       format(a1)
          call.clr......
          line.. 1
          go.to.1
 20       open(unit=1,name='/u1/janice/shelp3',type='old',readonly)
          go.to.1
 90       write(6,43)
 43       format(1x,' DO YOU WANT TO SEE INFORMATION ON THE OTHER SECTION?'/
        1 ' ANSWER (Y OR N)')
          close(unit=1,dispose='save')
          read(5,42) is
          if(is..eq. 'n') goto.99
          line. = 1
          call.clr.......
          if(ia..eq. 1) go to.20
          if(ia..eq. 2) goto.10
 99        return..
          end....
```

```
        subroutine clr
          type 101
101       format(' lera.w')
          i=27
          j=12
        write(G,1) i,j
      1 format(1h ,2a1)
        return
        end
        subroutine list(lx,n),
          dimension lx(8,n)
          real*8 lx
          logical*1 is
          call clr
          write(6,100)
          line = 1
100       format(' THE 386 SOVIET CRISES ARE:',/)
          do 7 i=1,n
            write(6,110) i,(lx(j,i),j=1,8)
110       format(1x,i3,1x,8a8)
            line = line + 1
            if(line.lt.26) goto 7
          write(6,1411)
1411    format(/,' PRESS [RETURN] TO CONTINUE')
            read(5,200) is
200         format(a1)
            call clr
            write(6,100)
            line=1
7         continue
          return
          end
```

33

```
      DIMENSION CR(20),INFG(6),ITH(40,5),IPT(2,157),IMPACT(15,5),IOUT(25,7)
      DIMENSION ID(157),GOAL(20),TITLE(46)
       DIMENSION TABX(7),TABY(7)
      DIMENSION T1(24),T2(24)
      DIMENSION NCH(100)
       DIMENSION MX(3),MY(3)
      BYTE T1,T2

      INTEGER*4 CR,TITLE,GOAL,INFG ; LOGICAL*1 IS,ITH,IMPACT,IOUT
      CALL GETBAUD

      CALL SETOTS(9,64,190,64)

      OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/TMPTITSOV',TYPE='OLD',READONLY)
      READ(1,270)T1,T2
270   FORMAT(24A1)
      CLOSE(UNIT=1,DISPOSE='SAVE')
      OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTSOV-STRING',TYPE='OLD',READONLY.

       READ(1,100)IPT
       READ(1,110)ITH
       READ(1,120)IMPACT
       READ(1,130)IOUT

100   FORMAT(2I)
110   FORMAT(40A1)
120   FORMAT(15A1)
130   FORMAT(25A1)

      CLOSE(UNIT=1,DISPOSE='SAVE')
      OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTTABPTS',TYPE='OLD',READONLY)
      READ(1,260)TABX,TABY,MX,MY
260   FORMAT(7F/7F/3I/3I)
      CLOSE(UNIT=1,DISPOSE='SAVE')
      NPTS=7

C         DIRECT ACCESS FILES        UNIT=1 ASSIGNED TO CRISIS NAMES FOR WHICH
C                                            THERE EXISTS OUTCOMES DATA
C                                    UNIT=2 ASSIGNED TO GOAL NAMES
C                                    UNIT=3 ASSIGNED TO CRISIS BY GOAL INFORMATION
C

      OPEN(UNIT=1,NAME='/U1/JANICE/SOVIETDA',ACCESS='DIRECT',
     1 RECORDSIZE=20,TYPE='OLD',READONLY)

      OPEN(UNIT=2,NAME='/U1/JANICE/GOALSOVDA',ACCESS='DIRECT',
     1 RECORDSIZE=20,TYPE='OLD',READONLY)

      OPEN(UNIT=3,NAME='/U1/JANICE/OUTSOVDA',ACCESS='DIRECT'
     1 ,RECORDSIZE=6,TYPE='OLD',READONLY)

      OPEN(UNIT=8,NAME='/U1/JANICE/OUTCOMES/TITLESDA',TYPE='OLD',READONLY,
     1 ACCESS='DIRECT',RECORDSIZE=46)

7      OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/OUTUSMENU',TYPE='OLD',READONLY)
       CALL CLR
```

```
          CALL DWINDO(0.,130.,0.,100.)
          READ(9,300)ABX,ABY
300   FORMAT(2F)
          CALL MOVEA(ABX,ABY) ; CALL ANMODE
          WRITE(6,310)
310   FORMAT(' USSR OUTCOMES MODULE')
          READ(9,300)ABX,ABY
          CALL DRAWA(ABX,ABY) ; CALL ANMODE

      CALL MENU(9,NCH,N1,N2)
      IFF=NCH(1)
      CLOSE(UNIT=9,DISPOSE='SAVE')
      CALL DWINDO(0.,1024.,0.,780.)

      IF(IFF.EQ.1)CALL LOAD(1,157,ID) ; CALL LIST(1,ID,157,0,T2) ;
     1 GOTO 7

      IF(IFF.EQ.2)CALL LOAD(1,54,ID) ; CALL LIST(2,ID,54,0,T1) ;
     1 GOTO 7

      IF(IFF.EQ.4)CALL CLR;CALL SELECT(IPT,3,2,1,T1,T2) ; GOTO 7

C         IF(IFF.EQ.5) CALL UEXECL('MAINMENU')
C
      CALL CLR
1     WRITE(6,140) ; READ(5,150)IDCR
      IF(IDCR.GT.157)CALL CLR;CALL LOAD(1,157,ID);CALL LIST(1,ID,157,0,T2);
     1 GOTO 1
      CALL CLR


        READ(1'IDCR)(CR(I),I=1,20)
      CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
        WRITE(6,160)(CR(I),I=2,(CR(1)/4+2))

        IT1=IPT(1,IDCR)
          IF(IT1.EQ.0)WRITE(6,170) ; CALL CLR ; GOTO 1

      CALL APOLY(TABX,TABY,NPTS)

        NUMSOL=0

      CALL MOVABS(MX(2),MY(2)) ; CALL ANMODE
        DO 2 J=1,IT1
          READ(3'IPT(2,IDCR)+J-1)(INFG(I),I=1,6)

          READ(2'INFG(1))(GOAL(I),I=1,20)
          READ(8'1)(TITLE(I),I=1,46)
          WRITE(6,175)(TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,180)(GOAL(I),I=2,(GOAL(1)/4+2))

          READ(8'2)(TITLE(I),I=1,46)
          WRITE(6,195)(TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,200)(ITH(I,INFG(2)),I=1,40)

          READ(8'3)(TITLE(I),I=1,46)
```

35

```
          WRITE(6,190) (TITLE(I),I=2,(TITLE(1)/4+2))

          READ(8'4) (TITLE(I),I=1,46)
          WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,210) (IMPACT(I,INFG(3)),I=1,15),(IOUT(I,INFG(5)),I=1,25)
          READ(8'5) (TITLE(I),I=1,46)
          WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,210) (IMPACT(I,INFG(4)),I=1,15),(IOUT(I,INFG(6)),I=1,25)

          NUMGOL=NUMGOL+1
      IF(NUMGOL.NE.3.AND.NUMGOL.NE.6.AND.NUMGOL.NE.9.AND.NUMGOL.NE.12.AND.NUMGOL
    .NE.15)
      1 GOTO 2
        CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
             WRITE(6,230);READ(5,240)IS;CALL CLR ;
        IF(J.EQ.IT1)GOTO 99
        CALL APOLY(TABX,TABY,NPTS) ; CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
             WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

2       CONTINUE
        CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
             WRITE(6,230);READ(5,240)IS;CALL CLR

99      WRITE(6,250) ; READ(5,240) IS
        IF(IS.EQ.'Y') GOTO 1

        GOTO 7

C FORMAT STATEMENTS

140     FORMAT(' INPUT THE ID NUMBER OF THE CRISIS(1-157). ENTER "999" TO SEE A '/
      1  ' LIST OF THE CRISES')
150     FORMAT(I)
160     FORMAT(1x,20A4)
170     FORMAT(' NO OUTCOMES FOR THIS CRISIS')
175     FORMAT(/2x,5A4)
180     FORMAT(2x,20A4)
190     FORMAT(/2x,46A4)
195     FORMAT(2x,12A4$)
200     FORMAT(2x,40A1)
205     FORMAT(2x,9A4,$)
210     FORMAT(12x,15A1,5X,25A1)
230     FORMAT(// PRESS [RETURN] TO CONTINUE')
240     FORMAT(A1)
250     FORMAT(' DO YOU WANT TO SEE THE OUTCOMES FOR ANOTHER CRISIS?'/
      1  ' ANSWER "Y" FOR YES, "N" FOR NO')

        STOP
        END
```

36

```
        SUBROUTINE SELECT(IPT,IU,NU,NCU,T1,T2)

        DIMENSION T1(24),T2(24)
        DIMENSION IS(10)
        DIMENSION IDD(54),IPT(2,157),ID(157)
        DIMENSION ITEM(20)

        INTEGER*4 ITEM,IN
        LOGICAL*1 T1,T2
1       DO 7 J1=1,10
          IS(J1)=0
7       CONTINUE
        INUM=0
        WRITE(6,101) ; READ(5,102,ERR=1)IG
        IF(IG.GT.54)CALL LOAD(1,54,IDD);CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
1       GOTO 1
          INUM=INUM+1
          IS(INUM)=IG

        CALL LOAD(1,157,ID)
2       NUM=0

        DO 3 IL=1,157

          IR=IPT(1,IL) ; IBS=IPT(2,IL)

          DO 5 JL=1,IR
            READ(IU'IBS+JL-1)IN
            IF(IN.EQ.IG.AND.ID(IL).NE.0)NUM=NUM+1 ; GOTO 3
5         CONTINUE

          ID(IL)=0
3       CONTINUE

        WRITE(6,103)NUM ; IF(NUM.EQ.0)CALL CLR ; GOTO 1
11      WRITE(6,104);READ(5,102,ERR=11)IA

        IF(IA.EQ.3)CALL CLR ; GOTO 1
        IF(IA.EQ.2)GOTO 19
23      CALL CLR ; WRITE(6,101) ; READ(5,102,ERR=23)IG
        IF(IG.GT.54)CALL LOAD(1,54,IDD) ; CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
1       GOTO 23
          INUM=INUM+1 ; IS(INUM)=IG

        GOTO 2
19      CALL CLR
        WRITE(6,105)
        DO 13 JL=1,INUM
          READ(NU'IS(JL))(ITEM(I),I=1,20)
          WRITE(6,106)(ITEM(I),I=2,(ITEM(1)/4+2))
13      CONTINUE
        WRITE(6,107) ; READ(5,108)II

107     FORMAT(// PRESS [RETURN] TO CONTINUE')
108     FORMAT(A1)
```

```
106    FORMAT(/1X,20A4)
105    FORMAT(// YOU HAVE SELECTED THE FOLLOWING GOAL(S):')

       NUM1=0
       CALL LOADA(ID,157,NUM1)
       IF(NUM.NE.NUM1)WRITE(6,199)
199    FORMAT(' NUM IS NOT EQUAL TO NUM1')
       IF(NUM.EQ.0)CALL CLR ; GOTO 1
       CALL LIST(NCU,ID,NUM1,0,T2)

101    FORMAT(// ENTER A GOAL ID. TYPE "999" TO SEE A LIST OF THE GOALS')
102    FORMAT(I)
103    FORMAT(// THE NUMBER OF CRISES THAT SATISIFIED THE GOAL(S) ARE',I)

104    FORMAT(// TYPE 1 TO SPECIFY ANOTHER GOAL.'/
      1' TYPE 2 TO SEE THE LIST OF CRISES THAT SATISIFIED THE GOAL(S).'/
      1' TYPE 3 TO RESTART THE SELECTION PROCESS.')

       RETURN
       END
```

38

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MAX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/LSTPTS',TYPE='OLD',READONLY)
        READ(9,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
       1     ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
213     FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(12F/12F/3I/3I/3I/2I)


        IREC=20

        CALL CLR ; CALL APOLY(TABX,TABY,10)
        CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
        WRITE(6,101)
101     FORMAT(' ID')


102     FORMAT(1X,19A4)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
        WRITE(6,103) (TITLE(J),J=1,24)
103     FORMAT(1X,30A1)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

        IF(IF.EQ.1)OPEN(UNIT=9,NAME='CRYR',TYPE='NEW')

        LINE = 0
        DO 2 J=1,IDIM
          READ(UNIT'ID(J)) (ITEMDA(I),I=1,IREC)
          IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
       1     WRITE(8,150) IYEAR(2)
150     FORMAT(4X,2I2)

        CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)ID(J)
105     FORMAT(1X,I3)
        CALL MOVREL(MRX(2),0) ; CALL ANMODE
        WRITE(6,102) (ITEMDA(I),I=2,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1)+70,MRY(2)) ; CALL ANMODE

        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        CALL MOVABS(0,100) ; CALL ANMODE
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR
```

39

```
110     FORMAT(// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)/)
120      FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,10)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
          WRITE(6,101)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
          WRITE(6,103) (TITLE(J1),J1=1,24)
          CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
?       CONTINUE
        CALL MOVABS(MAX(1),MAX(3))   ; CALL ANMODE

        WRITE(6,130) ; READ(5,120) IS ; CALL CLR
130     FORMAT(//// PRESS [RETURN] TO CONTINUE/)

97      IF(IF.EQ.1)CLOSE(UNIT=9,DISPOSE='SAVE')
        RETURN
        END
```

40

```
      SUBROUTINE LOAD(IM,IMX,ID)
      DIMENSION ID(1)

      DO 1 I=IM,IMX
        ID(I)=I
1     CONTINUE
      RETURN
      END
```

```
      SUBROUTINE LOADA(ID,IDIM,NUM)

      DIMENSION ID(1)

      NUM=0
      IT=0

      DO 1 I=1,IDIM
        IL=I-IT
        IF(ID(IL).NE.0)NUM=NUM+1 $ GOTO 1
        DO 2 IP=IL,IDIM-1
          ID(IP)=ID(IP+1)
2       CONTINUE
        IT=IT+1

1     CONTINUE
      RETURN
      END
```

```
        DIMENSION CR(20),INFG(6),ITH(40,5),IPT(2,157),IMPACT(15,5),IOUT(25,7)
        DIMENSION ID(157),GOAL(20),TITLE(46)
         DIMENSION TABX(7),TABY(7)
        DIMENSION T1(24),T2(24)
        DIMENSION NCH(100)
         DIMENSION MX(3),MY(3)
        BYTE T1,T2

        INTEGER*4 CR,TITLE,GOAL,INFG ; LOGICAL*1 IS,ITH,IMPACT,IOUT
        CALL GETBAUD

        CALL SETOTS(9,64,190,64)

        OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/TMPTITSOV',TYPE='OLD',READONLY)
        READ(1,270)T1,T2
270     FORMAT(24A1)
        CLOSE(UNIT=1,DISPOSE='SAVE')
        OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTSOV-STRING',TYPE='OLD',READONLY)

         READ(1,100)IPT
         READ(1,110)ITH
         READ(1,120)IMPACT
         READ(1,130)IOUT

100     FORMAT(2I)'
110     FORMAT(40A1)
120     FORMAT(15A1)
130     FORMAT(25A1)

        CLOSE(UNIT=1,DISPOSE='SAVE')
        OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTTABFTS',TYPE='OLD',READONLY)
        READ(1,260)TABX,TABY,MX,MY
260     FORMAT(7F/7F/3I/3I)
        CLOSE(UNIT=1,DISPOSE='SAVE')
        NPTS=7

C          DIRECT ACCESS FILES       UNIT=1 ASSIGNED TO CRISIS NAMES FOR WHICH
C                                            THERE EXISTS OUTCOMES DATA
C                                     UNIT=2 ASSIGNED TO GOAL NAMES
C                                     UNIT=3 ASSIGNED TO CRISIS BY GOAL INFORMATION
C

        OPEN(UNIT=1,NAME='/U1/JANICE/SOVIETDA',ACCESS='DIRECT',
       1 RECORDSIZE=20,TYPE='OLD',READONLY)

        OPEN(UNIT=2,NAME='/U1/JANICE/GOALSOVDA',ACCESS='DIRECT',
       1 RECORDSIZE=20,TYPE='OLD',READONLY)

        OPEN(UNIT=3,NAME='/U1/JANICE/OUTSOVDA',ACCESS='DIRECT'
       1 ,RECORDSIZE=6,TYPE='OLD',READONLY)

        OPEN(UNIT=8,NAME='/U1/JANICE/OUTCOMES/TITLESDA',TYPE='OLD',READONLY,
       1 ACCESS='DIRECT',RECORDSIZE=46)

7       OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/OUTUSMENU',TYPE='OLD',READONLY)
        CALL CLP
```

```
        CALL DWINDO(0.,130.,0.,100.)
        READ(9,300)ABX,ABY
300     FORMAT(2F)
        CALL MOVEA(ABX,ABY) ; CALL ANMODE
        WRITE(6,310)
310     FORMAT(' USSR OUTCOMES MODULE')
        READ(9,300)ABX,ABY
        CALL DRAWA(ABX,ABY) ; CALL ANMODE

      CALL MENU(9,NCH,N1,N2)
      IFF=NCH(1)
      CLOSE(UNIT=9,DISPOSE='SAVE')
       CALL DWINDO(0.,1024.,0.,780.)

      IF(IFF.EQ.1)CALL LOAD(1,157,ID) ; CALL LIST(1,ID,157,0,T2) ;
     1 GOTO 7

      IF(IFF.EQ.2)CALL LOAD(1,54,ID) ; CALL LIST(2,ID,54,0,T1) ;
     1 GOTO 7

      IF(IFF.EQ.4)CALL CLR;CALL SELECT(IPT,3,2,1,T1,T2) ; GOTO 7

C     IF(IFF.EQ.5) CALL VEXECL('MAINMENU')
C
      CALL CLR
1     WRITE(6,140) ; READ(5,150)IDCR
      IF(IDCR.GT.157)CALL CLR;CALL LOAD(1,157,ID);CALL LIST(1,ID,157,0,T2);
     1 GOTO 1
      CALL CLR


      READ(1'IDCR)(CR(I),I=1,20)
      CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
      WRITE(6,160)(CR(I),I=2,(CR(1)/4+2))

      IT1=IPT(1,IDCR)
      IF(IT1.EQ.0)WRITE(6,170) ; CALL CLR ; GOTO 1

      CALL APOLY(TABX,TABY,NPTS)

      NUMGOL=0

      CALL MOVABS(MX(2),MY(2)) ; CALL ANMODE
      DO 2 J=1,IT1
        READ(3'IPT(2,IDCR)+J-1)(INFG(I),I=1,6)

        READ(2'INFG(1))(GOAL(I),I=1,20)
        READ(8'1)(TITLE(I),I=1,46)
        WRITE(6,175)(TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,180)(GOAL(I),I=2,(GOAL(1)/4+2))

        READ(8'2)(TITLE(I),I=1,46)
        WRITE(6,195)(TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,200)(ITH(I,INFG(2)),I=1,40)

        READ(8'3)(TITLE(I),I=1,46)
```

43

```
        WRITE(6,190) (TITLE(I),I=2,(TITLE(1)/4+2))

        READ(8'4) (TITLE(I),I=1,46)
        WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,210) (IMPACT(I,INFG(3)),I=1,15),(IOUT(I,INFG(5)),I=1,25)
        READ(8'5) (TITLE(I),I=1,46)
        WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,210) (IMPACT(I,INFG(4)),I=1,15),(IOUT(I,INFG(6)),I=1,25)

        NUMGOL=NUMGOL+1
      IF(NUMGOL.NE.3.AND.NUMGOL.NE.6.AND.NUMGOL.NE.9.AND.NUMGOL.NE.12.AND.NUMGOL
     .NE.15)
     1 GOTO 2
        CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
            WRITE(6,230);READ(5,240) IS;CALL CLR ;
          IF(J.EQ.IT1)GOTO 99
          CALL APOLY(TABX,TABY,NPTS) ; CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
            WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

2       CONTINUE
          CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
            WRITE(6,230);READ(5,240) IS;CALL CLR

99      WRITE(6,250) ; READ(5,240) IS
        IF(IS.EQ.'Y') GOTO 1

        GOTO 7

C FORMAT STATEMENTS

140     FORMAT(' INPUT THE ID NUMBER OF THE CRISIS(1-157). ENTER "999" TO SEE A '/
     1 ' LIST OF THE CRISES')
150     FORMAT(I)
160     FORMAT(1x,20A4)
170     FORMAT(' NO OUTCOMES FOR THIS CRISIS')
175     FORMAT(/2x,5A4)
180     FORMAT(2x,20A4)
190     FORMAT(/2x,46A4)
195     FORMAT(2x,12A4$)
200     FORMAT(2x,40A1)
205     FORMAT(2x,9A4,$)
210     FORMAT(12x,15A1,5X,25A1)
230     FORMAT(// PRESS [RETURN] TO CONTINUE')
240     FORMAT(A1)
250     FORMAT(' DO YOU WANT TO SEE THE OUTCOMES FOR ANOTHER CRISIS?'/
     1 ' ANSWER "Y" FOR YES, "N" FOR NO')

        STOP
        END
```

```
        SUBROUTINE SELECT(IPT,IU,NU,NCU,T1,T2)

        DIMENSION T1(24),T2(24)
        DIMENSION IS(10)
        DIMENSION IDD(54),IPT(2,157),ID(157)
        DIMENSION ITEM(20)

        INTEGER*4 ITEM,IN
        LOGICAL*1 T1,T2

1       DO 7 J1=1,10
          IS(J1)=0
7       CONTINUE
        INUM=0
        WRITE(6,101) ; READ(5,102,ERR=1)IG
         IF(IG.GT.54)CALL LOAD(1,54,IDD) ;CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
      1  GOTO 1
          INUM=INUM+1
          IS(INUM)=IG

        CALL LOAD(1,157,ID)
2       NUM=0

        DO 3 IL=1,157

          IR=IPT(1,IL) ; IBS=IPT(2,IL)

          DO 5 JL=1,IR
            READ(IU'IBS+JL-1)IN
            IF(IN.EQ.IG.AND.ID(IL).NE.0)NUM=NUM+1 ; GOTO 3
5         CONTINUE

          ID(IL)=0
3       CONTINUE

        WRITE(6,103)NUM ; IF(NUM.EQ.0)CALL CLR ; GOTO 1
11      WRITE(6,104);READ(5,102,ERR=11)IA

        IF(IA.EQ.3)CALL CLR ; GOTO 1
         IF(IA.EQ.2)GOTO 19
23       CALL CLR ; WRITE(6,101) ; READ(5,102,ERR=23)IG
         IF(IG.GT.54)CALL LOAD(1,54,IDD) ; CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
      1  GOTO 23
          INUM=INUM+1 ; IS(INUM)=IG

         GOTO 2
19       CALL CLR
        WRITE(6,105)
        DO 13 JL=1,INUM
          READ(NU'IS(JL))(ITEM(I),I=1,20)
          WRITE(6,106)(ITEM(I),I=2,(ITEM(1)/4+2))
13      CONTINUE
        WRITE(6,107) ; READ(5,108)II

107     FORMAT(// ' PRESS [RETURN] TO CONTINUE')
108     FORMAT(A1)
```

```
106    FORMAT(/1x,20a4)
105    FORMAT(// ' YOU HAVE SELECTED THE FOLLOWING.GOAL(S);')

       NUM1=0
       CALL LOADA(ID,157,NUM1)
       IF(NUM.NE.NUM1)WRITE(6,199)
199    FORMAT(' NUM IS NOT EQUAL TO NUM1')
       IF(NUM.EQ.0)CALL CLR ; GOTO 1
       CALL LIST(NCU,ID,NUM1,0,T2)

101    FORMAT(// ' ENTER A GOAL ID. TYPE "999" TO SEE A LIST OF THE GOALS')
102    FORMAT(I)
103    FORMAT(// ' THE NUMBER OF CRISES THAT SATISIFIED THE GOAL(S) ARE',I)

104    FORMAT(// ' TYPE 1 TO SPECIFY ANOTHER GOAL.'/
      1' TYPE 2 TO SEE THE LIST OF CRISES THAT SATISIFIED THE GOAL(S).'/
      1' TYPE 3 TO RESTART THE SELECTION PROCESS.')

       RETURN
       END
```

46

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/LSTPTS',TYPE='OLD',READONLY)
        READ(9,100)(TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
     1    ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
213     FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(12F/12F/3I/3I/3I/2I)


        IREC=20

         CALL CLR ; CALL APOLY(TABX,TABY,10)
         CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
101     FORMAT(' ID')


102     FORMAT(1X,19A4)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,103)(TITLE(J),J=1,24)
103     FORMAT(1X,30A1)
         CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

         IF(IF.EQ.1)OPEN(UNIT=9,NAME='CRYR',TYPE='NEW')

        LINE = 0
        DO 2 J=1,IDIM
         READ(UNIT'ID(J))(ITEMDA(I),I=1,IREC)
         IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
     1     WRITE(8,150)IYEAR(2)
150     FORMAT(4X,2I2)

         CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)ID(J)
105     FORMAT(1X,I3)
        CALL MOVREL(MRX(2),0) ; CALL ANMODE
        WRITE(6,102)(ITEMDA(I),I=2,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1)+70,MRY(2)) ; CALL ANMODE

        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        CALL MOVABS(0,100) ; CALL ANMODE
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR
```

47

```
110     FORMAT(// ' DO YOU WANT TO SEE MORE OF THE LIST?  (Y=YES,N=NO)')
-120      FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,10)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
          WRITE(6,101)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
          WRITE(6,103)(TITLE(J1),J1=1,24)
          CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
?       CONTINUE
        CALL MOVABS(MAX(1),MAX(3))  ; CALL ANMODE

        WRITE(6,130) ; READ(5,120)IS ; CALL CLR
130     FORMAT(//// ' PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=9,DISPOSE='SAVE')
        RETURN
        END
```

```
       SUBROUTINE LOAD(IM,IMX,ID)
       DIMENSION ID(1)

       DO 1 I=IM,IMX
         ID(I)=I
1      CONTINUE
       RETURN
       END
```

```
       SUBROUTINE LOADA(ID,IDIM,NUM)

       DIMENSION ID(1)

       NUM=0
       IT=0

       DO 1 I=1,IDIM
         IL=I-IT
         IF(ID(IL).NE.0)NUM=NUM+1 ; GOTO 1
         DO 2 IP=IL,IDIM-1
           ID(IP)=ID(IP+1)
2        CONTINUE
         IT=IT+1

1      CONTINUE
       RETURN
       END
```

```
      DIMENSION IDSVEC(22),ILINE(23),IBOUND(44),DESMAT(20),
     1 TMP(20),IDNOS(101)
      DIMENSION X1(2),Y1(2),X2(7),Y2(7),X3(5),Y3(3)
      DIMENSION X4(2),Y4(2),X5(2),Y5(2)
      DIMENSION NCH(100)
      LOGICAL*1 IS
      INTEGER*4 DESMAT,TMP
      DATA ILINE/1,6,11,17,23,28,34,40,46,52,58,64,69,74,79,84,89,
     1 94,100,112,120,126,131/
      DATA IBOUND/46,76,46,76,0,3,0,3,0,2,0,3,0,3,0,3,0,3,
     10,3,0,3,0,2,0,2,0,2,0,2,0,2,0,2,0,3,0,9,0,5,0,3,0,2/

      CALL SETOTS(9)
      CALL GETBAUD
      WRITE(6,220) ; READ(5,105)IS
      IF(IS.EQ.'N')GOTO 22
      OPEN(UNIT=1,NAME='/U1/JANICE/HELPPRBANL',TYPE='OLD',READONLY)
      LINE=0
      DO 73 I=1,59
        READ(1,110)IP,(TMP(J),J=1,20)
        WRITE(6,113)(TMP(J),J=1,(IP/4+2))
        LINE=LINE+1
        IF(LINE.LE.26) GOTO 73
        WRITE(6,130);READ(5,105)IS;CALL CLR;LINE=1
73    CONTINUE
      CLOSE(UNIT=1,DISPOSE='SAVE')
22      WRITE(6,130);READ(5,105)IS;CALL CLR;LINE=0
      WRITE(6,102)
71    WRITE(6,100)
      WRITE(6,175)
      READ(5,105) IS
      IF(IS.EQ.'H')CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,105)IS;CALL CLR;
     1GOTO 71


      OPEN(UNIT=1,NAME='/U1/JANICE/USDESCPDA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=20,READONLY)
      IF(IS .EQ. 'N') GOTO 99
      CALL CLR
      WRITE(6,155)
      DO 67 I=1,131
        READ(1'I)IP,(DESMAT(J),J=1,(IP/4+2))
        WRITE(6,114)(DESMAT(N),N=1,(IP/4+2))
      LINE=LINE+1
      IF(LINE.NE.22.AND.LINE.NE.45.AND.LINE.NE.68.AND.LINE.NE.93.AND.
     1 LINE.NE.119) GOTO 67
      WRITE(6,130) ; READ(5,105) IS ; CALL CLR
      WRITE(6,155)
67    CONTINUE
99    WRITE(6,130) ; READ(5,105) IS ; CALL CLR ; WRITE(6,102)
      LINE = 5; IPOINT = 1
10    DO 2 I=IPOINT,22
      IT = I
20      DO 3 J=ILINE(IT),ILINE(IT+1)-1
        READ(1'J)IP,(DESMAT(N),N=1,(IP/4+2))
        WRITE(6,111)(DESMAT(N),N=1,(IP/4+2))
```

```
              LINE = LINE + 1
   3       CONTINUE

      WRITE(6,115)
      READ(5,120)  IDSVEC(IT)
      IF(IDSVEC(IT).EQ.0.AND.I.EQ.1)IDSVEC(IT)=46
      IF(IDSVEC(IT).EQ.0.AND.I.EQ.2)IDSVEC(IT)=76
      IF(IDSVEC(IT).LT.IBOUND((IT*2)-1).OR.IDSVEC(IT).GT.IBOUND(IT*2))
     1WRITE(6,125);WRITE(6,130);READ(5,105) IS ; CALL CLR;  LINE = 1 ;
     2GOTO 20
      WRITE(6,130);READ(5,105) IS ; CALL CLR
      IF(ITT.GT.IT)  IT=ITT
         WRITE(6,230);READ(5,105)IS
            IF(IS.EQ.'N')GOTO 13
            CALL CLR

      CALL TABLE(IDSVEC,IT,IDNDS)
      IFLAG = 0
  13  CALL CLR
      WRITE(6,135)
      WRITE(6,175)
      READ(5,105) IS
      IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 13
      IF(IS.EQ.'H'.AND.IFLAG.EQ.1)CALL CLR;WRITE(6,185);WRITE(6,130);
     1READ(5,105)IS ; CALL CLR ; GOTO 13
      IF(IS.EQ.'H')CALL CLR; WRITE(6,190);WRITE(6,130);READ(5,105)IS;
     1CALL CLR; GOTO 13
      IF(IS.EQ.'Y')  GOTO 37
      CALL CLR ; LINE=2
      OPEN(UNIT=9,NAME='DESPOINTS',TYPE='OLD',READONLY)
      READ(9,239)N1
      READ(9,241)(X1(J),J=1,N1)
      READ(9,241)(Y1(J),J=1,N1)
  239 FORMAT(I)
  241 FORMAT(30F)
      READ(9,239)N2
      READ(9,241)(X2(J),J=1,N2)
      READ(9,241)(Y2(J),J=1,N2)
      READ(9,239)N3
      READ(9,241)(X3(J),J=1,N3)
      READ(9,241)(Y3(J),J=1,N3)
      READ(9,239)N4
      READ(9,241)(X4(J),J=1,N4)
      READ(9,241)(Y4(J),J=1,N4)
      READ(9,239)N5
      READ(9,241)(X5(J),J=1,N5)
      READ(9,241)(Y5(J),J=1,N5)
      READ(9,242)IX,IY
  242 FORMAT(2I)
      CLOSE(UNIT=9,DISPOSE='SAVE')
  29  CALL APOLY(X1,Y1,N1)
      CALL APOLY(X2,Y2,N2)
      CALL MOVABS(0,781)
      CALL ANMODE
      WRITE(6,170)
  27  DO 17 I=1,22
```

51

```
        IF(IDSVEC(I).EQ.0) GOTO 17
          IF(I.LE.2)READ(1'(ILINE(I)+1))IP,(DESMAT(J),J=1,(IP/4+2)) ;
    1     WRITE(6,111)(DESMAT(J),J=1,(IP/4+2)) ; WRITE(6,112)IDSVEC(I) ;
    1     GOTO 17


          READ(1'(ILINE(I)+1))IP,(DESMAT(J),J=1,(IP/4+2))
          WRITE(6,111)(DESMAT(J),J=1,(IP/4+2))
          READ(1'(ILINE(I)+2+IDSVEC(I)))IP,(DESMAT(J),J=1,(IP/4+2))
          WRITE(6,117)(DESMAT(J),J=1,(IP/4+2))
        LINE = LINE+3
        IF(LINE.LE.24) GOTO 17
        CALL MOVABS(IX,IY)
        CALL ANMODE
        WRITE(6,130);READ(5,105) IS ; CALL CLR ; LINE=3
        CALL APOLY(X1,Y1,N1)
        CALL APOLY(X3,Y3,N3)
        CALL MOVABS(0,781)
        CALL ANMODE
        WRITE(6,170)
17      CONTINUE
        CALL MOVABS(IX,IY)
        CALL ANMODE
        WRITE(6,130);READ(5,105)IS
        IF(IFLAG.EQ.1) GOTO 13
        IFLAG=0 ; CALL LIST(IDNOS,IFLAG)
        IF(IFLAG.EQ.1) GOTO 29
        OPEN(UNIT=9,NAME='CRANUSMENU',TYPE='OLD',READONLY)

21      CALL CLR ; CALL APOLY(X4,Y4,N4)
        CALL MOVABS(0,781)
        CALL ANMODE
        WRITE(6,300)
        CALL TWINDO(0,1024,0,781)
        CALL DWINDO(0.,130.,0.,100.)
        CALL MENU(9,NCH,N1,N2)
        IFF=NCH(1)
        IF(IFF.EQ.4)CALL CROSS ; REWIND 9 ; GOTO 21
        IF(IFF.EQ.5)GOTO 24
         IY=80
         IF(IFF.EQ.2)IY=60
          IF(IFF.EQ.3)IY=48
           CALL CLR ; CALL LISPER(IFF,IY,IDNOS)
         WRITE(6,250) ; READ(5,105)IS
        IF(IS.EQ.'Y')REWIND 9 ; GOTO 21
24      CALL CLR ; CALL APOLY(X5,Y5,N5)
        CALL MOVABS(0,781)
        CALL ANMODE
        WRITE(6,310)
        CALL TWINDO(0,1024,0,781)
        CALL DWINDO(0.,130.,0.,100.)
        CALL MENU(9,NCH,N1,N2)
        ISS=NCH(1)
        CLOSE(UNIT=9,DISPOSE='SAVE')
          IF(ISS.EQ.1)CALL VEXECL('/U1/JANICE/D1/PRCRUS.OUT',0)
          IF(ISS.EQ.2)CALL VEXECL('/U1/JANICE/D1/ACCRUS.OUT',0)
```

```
          IF(ISS.EQ.3)CALL UEXECL('/U1/JANICE/D1/DBCRUS.OUT',0)
          IF(ISS.EQ.4)CALL UEXECL('/U1/JANICE/USANL/MAIN.OUT',0)
37    WRITE(6,145)
      READ(5,120) IPOINT $ ITT=IT $ GO TO 10
2     CONTINUE

C  FORMAT STATEMENTS
C
100   FORMAT(' DO YOU WANT TO SEE A LIST OF THE DESCRIPTORS?')
102   FORMAT(' YOU WILL NOW SELECT DESCRIPTOR VALUES ONE AT A TIME.'//
     1' AFTER EACH SELECTION YOU WILL BE SHOWN HOW MANY CRISES'//
     2' FIT YOUR SET OF DESCRIPTORS'/)
105   FORMAT(A1)
110   FORMAT(Q,20A4)
114   FORMAT(1X,20A4)
111   FORMAT(1X,20A4)
112   FORMAT(6X,' THE YEAR SELECTED IS:',3X,'19',I2//)
113   FORMAT(1X,20A4)
115   FORMAT(// ENTER THE VALUE OF THE DESCRIPTOR.'/)
117   FORMAT(5X,20A4/)
120   FORMAT(I2)

125   FORMAT(// DESCRIPTOR VALUE IS OUTSIDE BOUNDS OF THE DESCRIPTOR')
130   FORMAT(// PRESS [RETURN] TO CONTINUE')
135   FORMAT(// DO YOU WANT TO SPECIFY THE VALUE OF ANY MORE DESCRIPTORS?')
145   FORMAT(//'ENTER THE ID. NO. OF THE DESCRIPTOR YOU WANT TO SPECIFY')
150   FORMAT(1X,22I2)
155   FORMAT(' THE CRISIS DESCRIPTORS ARE:')
170   FORMAT(13X,' YOU HAVE SELECTED THE FOLLOWING DESCRIPTOR(S)'//)
175   FORMAT(' ANSWER ("Y" FOR YES, "N" FOR NO, OR "H" FOR HELP)')

180   FORMAT( ' IN THE FIRST STEP IN THE ANALYSIS YOU WILL BE ASKED TO CREATE A'
     /
     !' SET OF CRISIS DESCRIPTORS THAT WILL BE USED TO SPECIFY TYPES OF'//
     !' CRISES. YOU WILL THEN BE SHOWN THE PROBLEMS THAT ARE HISTOR-'//
     !' ICALLY ASSOCIATED WITH THESE TYPES OF CRISES. IN ORDER TO SELECT A'//
     !' DESCRIPTOR SET A COPY OF THE DESCRIPTORS WILL BE VERY USEFUL.'//
     !' TO OBTAIN THIS COPY ANSWER "Y" TO THE NEXT QUESTION AND HIT THE'//
     !' [MAKE COPY] KEY EACH TIME THE SCREEN IS FULL.'/)

190   FORMAT(' YOU HAVE JUST SEEN THE CONDITIONAL FREQUENCY TABLE. YOU CAN NOW'.
     !' CHANGE THIS TABLE BY ANSWERING "Y" TO THIS QUESTION. YOU WILL'//
     !' THEN BE ASKED TO ENTER THE ID. NUMBER OF THE DESCRIPTOR YOU'//
     !' WANT TO RESPECIFY. NOTE THAT IT IS VALID TO ENTER THE ID.'//
     !' NUMBER OF A DESCRIPTOR THAT HAS NOT AS YET BEEN SPECIFIED.'/)

185   FORMAT(' YOU HAVE JUST SEEN THE LIST OF DESCRIPTORS THAT YOU HAVE'//
     !' SPECIFIED. YOU CAN NOW MODIFY THIS LIST BY ANSWERING "Y" TO'//
     !' THIS QUESTION AND ENTERING THE ID. NUMBER OF THE DESCRIPTOR YOU'//
     !' WANT TO CHANGE IN RESPONSE TO THE NEXT QUESTION.'/)

195   FORMAT(' IF YOU ANSWER "Y" TO THIS QUESTION YOU WILL BE ASKED TO SPECIFY'//
     !' THE NEXT DESCRIPTOR IN THE DESCRIPTOR LIST. IF YOU ANSWER "N"'//
     !' YOU WILL PROCEED WITH THE ANALYSIS.'/)

200   FORMAT(// YOU WILL NOW BE GIVEN THE OPPORTUNITY TO SPECIFY A PROBLEM'//
     1' SET AND DETERMINE THE NUMBER OF CRISES THAT FACED THIS SET OF'//
```

```
      2' PROBLEMS.'''
      3'    TYPE "1" TO PROCEED WITH THE PROBLEM SET ANALYSIS.''
      4'    TYPE "2" TO RETURN TO THE PROGRAM SELECTION SECTION.'')
 210  FORMAT('' YOU WILL NOW BE GIVEN THE OPPORTUNITY TO SEE THE FREQUENCY THAT'
  /
      1 ' VARIOUS ITEMS OCCURED IN THE CRISIS SET''
      1 '            TYPE 1      FOR THE PROBLEM FREQUENCY TABLE''
      1 '            TYPE 2      FOR THE ACTION FREQUENCY TABLE''
      1 '            TYPE 3      FOR THE OBJECTIVE FREQUENCY TABLE''
      1 '            TYPE 4        TO CONTINUE'')
 220  FORMAT('' DO YOU WANT TO SEE INFORMATION ON HOW TO RUN THIS PROGRAM?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 230  FORMAT('' DO YOU WANT TO SEE THE CONDITIONAL FREQUENCY TABLE AT THIS POINT
  ''
      1 ' IN THE ANALYSIS? ANSWER "Y" FOR YES, "N" FOR NO')
 240  FORMAT('' DO YOU WANT TO SEE A PLOT OF CRISIS FREQUENCY BY TIME?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 250  FORMAT('' DO YOU WANT TO PERFORM ANOTHER FUNCTION?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 300  FORMAT(24X'CRISIS TYPE FUNCTION MENU')
 310  FORMAT(21X'FURTHER ANALYTICAL POSSIBILITIES')
      STOP
      END
```

```
      SUBROUTINE FTABLE
      DIMENSION X(20),Y(20)
      OPEN(UNIT=8,NAME='POINTS',TYPE='OLD',READONLY)
      CALL DWINDO(0.,1024.,0.,780.)
      CALL INITT(120)
      DO 1 I=1,2
        READ(8,101)NPTS
101     FORMAT(I)
        READ(8,102)(X(J),J=1,NPTS)
102     FORMAT(20F)
        READ(8,102)(Y(J),J=1,NPTS)
      CALL APOLY(X,Y,NPTS)
      CALL ANMODE
1     CONTINUE
      CALL MOVABS(0,780)
      CALL ANMODE
      CLOSE(UNIT=8,DISPOSE='SAVE')
      RETURN
      END
```

55

```
      SUBROUTINE CROSS
      DIMENSION ICRYR(101),YCNT(32)
      OPEN(UNIT=2,NAME='/U1/JANICE/D1/CRYR',TYPE='OLD')
        READ(2,99)ISUM
        DO 17 I=1,ISUM
        READ(2,99)ICRYR(I)
17      CONTINUE
99      FORMAT(I3)
      CLOSE(UNIT=2,DISPOSE='DELETE')
      ICATT = 0
      ICAT = 0
      YCNT(1)=31
      DO 3 I=46,76
        IF(ICRYR(ICATT+1).NE.I)GO TO 3
        DO 4 J=ICATT,ISUM
        IT=I-45
        IF(ICRYR(J).EQ.I)YCNT(IT+1)=YCNT(IT+1)+1.;ICAT=ICAT+1
4       CONTINUE
      ICATT=ICAT
3     CONTINUE

      CALL PLOT(YCNT)
      RETURN
      END



      SUBROUTINE PLOT(Y)
      DIMENSION ISTR(49),ISTQ(4)
      DIMENSION X(4),Y(32)
      LOGICAL*1 IS
      INTEGER ACT
      DATA ISTR/78,85,77,66,69,82,32,79,70,32,67,82,73,83,69,83,32,84,72,65,84
     132,83,65,84,73,83,73,70,89,32,84,72,69,32,68,69,83,67,82,73,80,84,
     1 79,82,32,83,69,84/

      DATA ISTQ/89,69,65,82/
      DATA X/-1.,31.,46.,1./
        TYPE 1001
1001    FORMAT(' !WOR 33 H !EPA W !GRAPHIC 1 35 !SHRINK !WOR K !MON K')
      CALL INITT(240)
      CALL BINITT
      CALL DLIMX(46.,78.)
      CALL DLIMY(0.,20.)
      CALL VBARST(10,6,4)
      CALL XFRM(3)
      CALL CHECK(X,Y)
      CALL DSPLAY(X,Y)
        CALL NOTATE(175,730,49,ISTR)
        CALL NOTATE(120,50,4,ISTQ)
        CALL ANMODE
        READ(5,100)IS
        CALL CLR
100     FORMAT(A1)
        RETURN
        END
```

56

```
#
#DEFINE NUMCRI 101
        SUBROUTINE LIST(IDNOS,IFLAG)
        DIMENSION TMP(70),IDNOS(NUMCRI),ICRYR(NUMCRI)
        DIMENSION X1(2),Y1(2),X2(10),Y2(10)
        INTEGER TMP
        LOGICAL*1 IS
        CALL CLR
        LINE = 2
        OPEN(UNIT=3,NAME='PPOINTS',TYPE='OLD',READONLY)
        READ(3,170)N1
        READ(3,191)(X1(J),J=1,N1)
        READ(3,191)(Y1(J),J=1,N1)
        READ(3,170)N2
        READ(3,191)(X2(J),J=1,N2)
        READ(3,191)(Y2(J),J=1,N2)
        READ(3,192)IX,IY
        CLOSE(UNIT=3,DISPOSE='SAVE')
191     FORMAT(30F)
192     FORMAT(2I)
        CALL INITT(120)
        CALL APOLY(X1,Y1,N1)
        CALL APOLY(X2,Y2,N2)
        CALL MOVABS(0,781)
        CALL ANMODE
        WRITE(6,110)
        OPEN(UNIT=2,NAME='/U1/JANICE/101CRS',TYPE='OLD',READONLY)
        DO 1 I=1,NUMCRI
          READ(2,100) NCRS,(TMP(IT),IT=1,NCRS)
          IF(IDNOS(I)) 1,1,2
2         WRITE(6,120) I,(TMP(IT),IT=1,NCRS)
          LINE=LINE+1
          IF(LINE.LE.25) GOTO 1
          CALL MOVABS(IX,IY)
          CALL ANMODE
          WRITE(6,130);READ(5,140)IS;CALL CLR; LINE=2
          CALL APOLY(X1,Y1,N1)
          CALL APOLY(X2,Y2,N2)
          CALL MOVABS(0,781)
          CALL ANMODE
          WRITE(6,110)
1       CONTINUE
        REWIND 2
        ISUM=0
        IT=0
        DO 5 I=1,NUMCRI
            READ(2,101)IAS
            IF(IDNOS(I))6,6,7
7           ICRYR(I-IT)=IAS
            ISUM=ISUM+1
            GO TO 5
6           IT=IT+1
5       CONTINUE
        CLOSE(UNIT=2,DISPOSE='SAVE')
        OPEN(UNIT=2,NAME='/U1/JANICE/D1/CRYR',TYPE='NEW')
        WRITE(2,99)ISUM
```

57

```
        DO 13 I=1,ISUM
          WRITE(2,99) ICRYR(I)
13      CONTINUE
99      FORMAT(1X,I3)
        CLOSE(UNIT=2,DISPOSE='SAVE')
        CALL MOVABS(IX,IY)
        CALL ANMODE
3       WRITE(6,150);WRITE(6,160);READ(5,170)IFLAG
        IF(IFLAG.EQ.3)CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,140)IS;
       1CALL CLR; GOTO 3


C
C
C       FORMAT STATEMENTS
C
C
100     FORMAT(R,70A1)
101     FORMAT(3X,I2,70X)
110     FORMAT(10X,' THE CRISES THAT SATISIFY THE SET OF DESCRIPTORS ARE:'//)
120     FORMAT(I4,'.',2X,70A1)
130     FORMAT(// PRESS [RETURN] TO CONTINUE')
140     FORMAT(A1)
150     FORMAT(// IF YOU ARE NOT SATISIFIED WITH THE SET OF CRISES TYPE "1"//
       1' AND YOU WILL BE RETURNED TO THE DESCRIPTOR SPECIFICATION SECTION.')
160     FORMAT(' ANSWER "1" TO RETURN, "2" TO CONTINUE, "3" FOR HELP.')
170     FORMAT(I1)
180     FORMAT(// IF FOR SOME REASON YOU ARE NOT SATISIFIED WITH THE CRISES//
       1' THAT YOUR DESCRIPTOR SET DESCRIBES, YOU CAN RETURN TO THE DESCRIPTOR//
       2' SPECIFICATION SECTION. THERE YOU WILL BE ABLE TO MODIFY THE SET//
       3' THAT YOU HAVE CREATED. OTHERWISE YOU WILL BE SENT TO THE //
       4' PROGRAM SELECTION SECTION.')

        RETURN
        END
```

58

```
        SUBROUTINE TABLE(IDSVEC,IT,IDNOS)
        IMPLICIT REAL*4 (X,Y)
        DIMENSION IDSVEC(IT),IDNOS(101),IVALUE(22),INCRS(22),INUM(22),
     1 IPOINT(101)
        DIMENSION X(30),Y(30),X1(5),Y1(5),X2(5),Y2(5),X3(5),Y3(5)
        DIMENSION LS(11),IP(22)
        DIMENSION FORRAY(5)
        DIMENSION IDCRS(22),IVAL(22)
        REAL*8 FORRAY
        INTEGER*4 LS
        EQUIVALENCE (LS(1),IP(1))
        OPEN(UNIT=2,NAME='/U1/JANICE/USANL/FTABDA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=30,READONLY)
        OPEN(UNIT=3,NAME='/U1/JANICE/D1/US101DA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=11,READONLY)
        DO 69 I=1,101
           IDNOS(I) = 1
69      CONTINUE
        DO 47 J1 = 1,IT
           INCRS(J1) = 0
           INUM(J1) = J1
47      CONTINUE
        DO 5 I=1,101
           READ(3'I) (LS(J),J=1,11)
           DECODE(44,100,IP) IVALUE
100     FORMAT(22I2)
        IF(IDSVEC(1).EQ. 0) GOTO 10
        IF(IVALUE(1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10         INCRS(1) =INCRS(1)+1
20      IF(IT.EQ.1) GOTO 5
        IF(IDSVEC(2).EQ.0) GOTO 30
        IF(IVALUE(1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30         INCRS(2) = INCRS(2)+1
40      IF(IT.EQ.2)GOTO 5
        DO 7 J=3,IT
           IF(IDSVEC(J).EQ.0) GOTO 50
           IF(IDSVEC(J).NE.IVALUE(J-1)) IDNOS(I) = 0 ; GOTO 5
50         INCRS(J) = INCRS(J) + 1
7          CONTINUE
5       CONTINUE
        ITMP=0
        DO 13 I=1,IT
           IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
           INUM(I-ITMP)=I
           IVAL(I-ITMP)=IDSVEC(I)
           IDCRS(I-ITMP)=INCRS(I)

13      CONTINUE
        ITT=IT-ITMP
        READ(2'1)XPT1
        NPT1=XPT1

        READ(2'2) (X1(J),J=1,NPT1)
        READ(2'3) (Y1(J),J=1,NPT1)
        READ(2'4) XPT2
        NPT2=XPT2
```

59

```
       READ(2'5) (X2(J),J=1,NPT2)
       READ(2'6) (Y2(J),J=1,NPT2)
       READ(2'7) XPT3
       NPT3=XPT3
       READ(2'8) (X3(J),J=1,NPT3)
       READ(2'9) (Y3(J),J=1,NPT3)
         READ(2'(ITT+3+7)) XPTS
         NPTS=XPTS
         READ(2'(ITT+3+8)) (X(J),J=1,NPTS)
         READ(2'(ITT+3+9)) (Y(J),J=1,NPTS)


       CALL INITT(120)
       CALL APOLY(X1,Y1,NPT1)
       CALL MOVABS(0,781)
       CALL ANMODE
       WRITE(6,112)
112    FORMAT(23X,'CONDITIONAL FREQUENCY TABLE')
       CALL APOLY(X,Y,NPTS)
       CALL ANMODE
       CALL FORMAT(ITT,FORRAY)
       CALL MOVABS(0,687) ; CALL ANMODE
         WRITE(6,FORRAY) (INUM(I),I=1,ITT)
       CALL MOVABS(0,654) ; CALL ANMODE
         WRITE(6,FORRAY) (IVAL(I),I=1,ITT)
       CALL MOVABS(0,621) ; CALL ANMODE
         WRITE(6,FORRAY) (IDCRS(I),I=1,ITT)
       CALL APOLY(X2,Y2,NPT2)
       CALL ANMODE
       CALL APOLY(X3,Y3,NPT3)
       CALL MOVABS(0,424)
       CALL ANMODE
         WRITE(6,150)
150    FORMAT('  KEY'////'  ROW 1 = DESCRIPTOR ID. NUMBER'/
      1 '  ROW 2 = USER SELECTED DESCRIPTOR VALUE'/
      2 '  ROW 3 = # OF CRISES THAT SATISIFY THE DESCRIPTORS')

       CALL MOVABS(0,200)
       CALL ANMODE
       WRITE(6,160)
       READ(5,170) IS
170    FORMAT(A1)
       CLOSE(UNIT=2,DISPOSE='SAVE')
       CLOSE(UNIT=3,DISPOSE='SAVE')
160    FORMAT(' PRESS [RETURN] TO CONTINUE')
       RETURN
       END



       SUBROUTINE FORMAT(IT,FORRAY)
       DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),
      1 ITM(7),IX(17),IUNS(16),IXX(18)
       REAL*8 FORRAY,FORTMP,IXX
       DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14
```

60

```
      1 1,12,13,14/
        DATA FORTMP/'(','17I4',', ','16I4','','2I3','','13I4','','6I3','','10I4','',
      1 '10I3','','7I4','','14I3','','4I4','','18I3','',')'/
        DATA IXX/'34X','','32X','','30X','','28X','','26X','','24X','','22X','','20X','','18X','',
      1 '16X','','14X','','12X','','10X','','8X','','6X','','4X','','1X','',')'/
        IF(IT.GT.17) GOTO 53
        FORRAY(1)=FORTMP(IFOR(1,1))
        FORRAY(2) = IXX(IT)
        DO 1 I=3,5
          FORRAY(I) = FORTMP(IFOR((I-1),1))
      1 CONTINUE
        GOTO 83
     53 DO 2 I=1,4
          FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
      2 CONTINUE
        FORRAY(5) = IXX(18)
     83 RETURN
        END
```

```
       DIMENSION IDSVEC(22),ILINE(23),IBOUND(44),DESMAT(20),
     1 TMP(20),IDNOS(101)
       DIMENSION X1(2),Y1(2),X2(7),Y2(7),X3(5),Y3(3)
       DIMENSION X4(2),Y4(2),X5(2),Y5(2)
       DIMENSION NCH(100)
       LOGICAL*1 IS
       INTEGER*4 DESMAT,TMP
       DATA ILINE/1,6,11,17,23,28,34,40,46,52,58,64,69,74,79,84,89,
     1 94,100,112,120,126,131/
       DATA IBOUND/46,76,46,76,0,3,0,3,0,2,0,3,0,3,0,3,0,3,
     1 10,3,0,3,0,2,0,2,0,2,0,2,0,2,0,2,0,3,0,9,0,5,0,3,0,2/

       CALL SETOTS(9)
       CALL GETBAUD
       WRITE(6,220) ; READ(5,105)IS
       IF(IS.EQ.'N')GOTO 22
       OPEN(UNIT=1,NAME='/U1/JANICE/HELPPRBANL',TYPE='OLD',READONLY)
       LINE=0
       DO 73 I=1,59
         READ(1,110)IP,(TMP(J),J=1,20)
         WRITE(6,113)(TMP(J),J=1,(IP/4+2))
         LINE=LINE+1
         IF(LINE.LE.26) GOTO 73
         WRITE(6,130);READ(5,105)IS;CALL CLR;LINE=1
73     CONTINUE
       CLOSE(UNIT=1,DISPOSE='SAVE')
22       WRITE(6,130);READ(5,105)IS;CALL CLR;LINE=0
       WRITE(6,102)
71     WRITE(6,100)
       WRITE(6,175)
       READ(5,105) IS
       IF(IS.EQ.'H')CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,105)IS;CALL CLR;
     1GOTO 71


       OPEN(UNIT=1,NAME='/U1/JANICE/USDESCPDA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=20,READONLY)
       IF(IS .EQ. 'N') GOTO 99
       CALL CLR
       WRITE(6,155)
       DO 67 I=1,131
         READ(1'I)IP,(DESMAT(J),J=1,(IP/4+2))
         WRITE(6,114)(DESMAT(N),N=1,(IP/4+2))
       LINE=LINE+1
       IF(LINE.NE.22.AND.LINE.NE.45.AND.LINE.NE.68.AND.LINE.NE.93.AND.
     1 LINE.NE.119) GOTO 67
       WRITE(6,130) ; READ(5,105) IS ; CALL CLR
       WRITE(6,155)
67     CONTINUE
99     WRITE(6,130) ; READ(5,105) IS ; CALL CLR ; WRITE(6,102)
       LINE = 5; IPOINT = 1
10     DO 2 I=IPOINT,22
       IT = I
20       DO 3 J=ILINE(IT),ILINE(IT+1)-1
         READ(1'J)IP,(DESMAT(N),N=1,(IP/4+2))
         WRITE(6,111)(DESMAT(N),N=1,(IP/4+2))
```

```
          LINE = LINE + 1
3         CONTINUE

      WRITE(6,115)
      READ(5,120) IDSVEC(IT)
      IF(IDSVEC(IT).EQ.0.AND.I.EQ.1)IDSVEC(IT)=46
      IF(IDSVEC(IT).EQ.0.AND.I.EQ.2)IDSVEC(IT)=76
      IF(IDSVEC(IT).LT.IBOUND((IT+2)-1).OR.IDSVEC(IT).GT.IBOUND(IT+2))
     1WRITE(6,125);WRITE(6,130);READ(5,105) IS ; CALL CLR; LINE = 1 ;
     2GOTO 20
      WRITE(6,130);READ(5,105) IS ; CALL CLR
      IF(ITT.GT.IT) IT=ITT
          WRITE(6,230);READ(5,105)IS
             IF(IS.EQ.'N')GOTO 13
             CALL CLR

      CALL TABLE(IDSVEC,IT,IDNOS)
      IFLAG = 0
13        CALL CLR
      WRITE(6,135)
      WRITE(6,175)
      READ(5,105) IS
      IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 13
      IF(IS.EQ.'H'.AND.IFLAG.EQ.1)CALL CLR;WRITE(6,185);WRITE(6,130);
     1READ(5,105)IS ; CALL CLR ; GOTO 13
      IF(IS.EQ.'H')CALL CLR; WRITE(6,190);WRITE(6,130);READ(5,105)IS;
     1CALL CLR; GOTO 13
      IF(IS.EQ.'Y') GOTO 37
      CALL CLR ; LINE=2
      OPEN(UNIT=9,NAME='DESPOINTS',TYPE='OLD',READONLY)
      READ(9,239)N1
      READ(9,241)(X1(J),J=1,N1)
      READ(9,241)(Y1(J),J=1,N1)
239       FORMAT(I)
241       FORMAT(30F)
      READ(9,239)N2
      READ(9,241)(X2(J),J=1,N2)
      READ(9,241)(Y2(J),J=1,N2)
      READ(9,239)N3
      READ(9,241)(X3(J),J=1,N3)
      READ(9,241)(Y3(J),J=1,N3)
      READ(9,239)N4
      READ(9,241)(X4(J),J=1,N4)
      READ(9,241)(Y4(J),J=1,N4)
      READ(9,239)N5
      READ(9,241)(X5(J),J=1,N5)
      READ(9,241)(Y5(J),J=1,N5)
      READ(9,242)IX,IY
242       FORMAT(2I)
      CLOSE(UNIT=9,DISPOSE='SAVE')
29        CALL APOLY(X1,Y1,N1)
      CALL APOLY(X2,Y2,N2)
      CALL MOVABS(0,781)
      CALL ANMODE
      WRITE(6,170)
27        DO 17 I=1,22
```

63

```
         IF(IDSVEC(I).EQ.0) GOTO 17
           IF(I.LE.2)READ(1'(ILINE(I)+1))IP,(DESMAT(J),J=1,(IP/4+2)) ;
   1       WRITE(6,111)(DESMAT(J),J=1,(IP/4+2)) ; WRITE(6,112)IDSVEC(I) ;
   1       GOTO 17

           READ(1'(ILINE(I)+1))IP,(DESMAT(J),J=1,(IP/4+2))
           WRITE(6,111)(DESMAT(J),J=1,(IP/4+2))
           READ(1'(ILINE(I)+2+IDSVEC(I)))IP,(DESMAT(J),J=1,(IP/4+2))
           WRITE(6,117)(DESMAT(J),J=1,(IP/4+2))
         LINE = LINE+3
         IF(LINE.LE.24) GOTO 17
         CALL MOVABS(IX,IY)
         CALL ANMODE
         WRITE(6,130);READ(5,105) IS ; CALL CLR ; LINE=3
         CALL APOLY(X1,Y1,N1)
         CALL APOLY(X3,Y3,N3)
         CALL MOVABS(0,781)
         CALL ANMODE
         WRITE(6,170)
   17    CONTINUE
         CALL MOVABS(IX,IY)
         CALL ANMODE
         WRITE(6,130);READ(5,105)IS
         IF(IFLAG.EQ.1) GOTO 13
         IFLAG=0 ; CALL LIST(IDNOS,IFLAG)
         IF(IFLAG.EQ.1) GOTO 29
         OPEN(UNIT=9,NAME='CRANUSMENU',TYPE='OLD',READONLY)

   21    CALL CLR ; CALL APOLY(X4,Y4,N4)
         CALL MOVABS(0,781)
         CALL ANMODE
         WRITE(6,300)
         CALL TWINDO(0,1024,0,781)
         CALL DWINDO(0.,130.,0.,100.)
         CALL MENU(9,NCH,N1,N2)
         IFF=NCH(1)
         IF(IFF.EQ.4)CALL CROSS ; REWIND 9 ; GOTO 21
         IF(IFF.EQ.5)GOTO 24
          IY=80
          IF(IFF.EQ.2)IY=60
           IF(IFF.EQ.3)IY=48
             CALL CLR ; CALL LISPER(IFF,IY,IDNOS)
          WRITE(6,250) ; READ(5,105)IS
         IF(IS.EQ.'Y')REWIND 9 ; GOTO 21
   24    CALL CLR ; CALL APOLY(X5,Y5,N5)
         CALL MOVABS(0,781)
         CALL ANMODE
         WRITE(6,310)
         CALL TWINDO(0,1024,0,781)
         CALL DWINDO(0.,130.,0.,100.)
         CALL MENU(9,NCH,N1,N2)
         ISS=NCH(1)
         CLOSE(UNIT=9,DISPOSE='SAVE')
           IF(ISS.EQ.1)CALL UEXECL('/U1/JANICE/D1/PRCRUS.OUT',0)
           IF(ISS.EQ.2)CALL UEXECL('/U1/JANICE/D1/ACCRUS.OUT',0)
```

```
          IF(ISS.EQ.3)CALL UEXECL('/U1/JANICE/D1/OBCRUS.OUT',0)
          IF(ISS.EQ.4)CALL UEXECL('/U1/JANICE/USANL/MAIN.OUT',0)
37        WRITE(6,145)
          READ(5,120) IPOINT $ ITT=IT $ GO TO 10
2         CONTINUE

C     FORMAT STATEMENTS
C
100       FORMAT(' DO YOU WANT TO SEE A LIST OF THE DESCRIPTORS?')
102       FORMAT(' YOU WILL NOW SELECT DESCRIPTOR VALUES ONE AT A TIME.'//
         1' AFTER EACH SELECTION YOU WILL BE SHOWN HOW MANY CRISES'/
         2' FIT YOUR SET OF DESCRIPTORS'/)
105       FORMAT(A1)
110       FORMAT(B,20A4)
114       FORMAT(1X,20A4)
111       FORMAT(1X,20A4)
112       FORMAT(6X,' THE YEAR SELECTED IS:',3X,'19',I2//)
113       FORMAT(1X,20A4)
115       FORMAT(// ENTER THE VALUE OF THE DESCRIPTOR.'/)
117       FORMAT(5X,20A4/)
120       FORMAT(I2)

125       FORMAT(// DESCRIPTOR VALUE IS OUTSIDE BOUNDS OF THE DESCRIPTOR')
130       FORMAT(// PRESS [RETURN] TO CONTINUE')
135       FORMAT(// DO YOU WANT TO SPECIFY THE VALUE OF ANY MORE DESCRIPTORS?')
145       FORMAT(// ENTER THE ID. NO. OF THE DESCRIPTOR YOU WANT TO SPECIFY')
150       FORMAT(1X,22I2)
155       FORMAT(' THE CRISIS DESCRIPTORS ARE:')
170       FORMAT(13X,' YOU HAVE SELECTED THE FOLLOWING DESCRIPTOR(S)'//)
175       FORMAT(' ANSWER ("Y" FOR YES, "N" FOR NO, OR "H" FOR HELP)')

180       FORMAT( ' IN THE FIRST STEP IN THE ANALYSIS YOU WILL BE ASKED TO CREATE A'
         /
         !' SET OF CRISIS DESCRIPTORS THAT WILL BE USED TO SPECIFY TYPES OF'//
         !' CRISES. YOU WILL THEN BE SHOWN THE PROBLEMS THAT ARE HISTOR-'//
         !' ICALLY ASSOCIATED WITH THESE TYPES OF CRISES. IN ORDER TO SELECT A'//
         !' DESCRIPTOR SET A COPY OF THE DESCRIPTORS WILL BE VERY USEFUL.'//
         !' TO OBTAIN THIS COPY ANSWER "Y" TO THE NEXT QUESTION AND HIT THE'//
         !' [MAKE COPY] KEY EACH TIME THE SCREEN IS FULL.'/)

190       FORMAT(' YOU HAVE JUST SEEN THE CONDITIONAL FREQUENCY TABLE. YOU CAN NOW'/
         !' CHANGE THIS TABLE BY ANSWERING "Y" TO THIS QUESTION. YOU WILL'//
         !' THEN BE ASKED TO ENTER THE ID. NUMBER OF THE DESCRIPTOR YOU'//
         !' WANT TO RESPECIFY. NOTE THAT IT IS VALID TO ENTER THE ID.'//
         !' NUMBER OF A DESCRIPTOR THAT HAS NOT AS YET BEEN SPECIFIED.'/)

185       FORMAT(' YOU HAVE JUST SEEN THE LIST OF DESCRIPTORS THAT YOU HAVE'//
         !' SPECIFIED. YOU CAN NOW MODIFY THIS LIST BY ANSWERING "Y" TO'//
         !' THIS QUESTION AND ENTERING THE ID. NUMBER OF THE DESCRIPTOR YOU'//
         !' WANT TO CHANGE IN RESPONSE TO THE NEXT QUESTION.'/)

195       FORMAT(' IF YOU ANSWER "Y" TO THIS QUESTION YOU WILL BE ASKED TO SPECIFY'//
         !' THE NEXT DESCRIPTOR IN THE DESCRIPTOR LIST. IF YOU ANSWER "N"'//
         !' YOU WILL PROCEED WITH THE ANALYSIS.'/)

200       FORMAT(// YOU WILL NOW BE GIVEN THE OPPORTUNITY TO SPECIFY A PROBLEM'//
         1' SET AND DETERMINE THE NUMBER OF CRISES THAT FACED THIS SET OF'//
```

```
      2' PROBLEMS.'''
      3'    TYPE "1" TO PROCEED WITH THE PROBLEM SET ANALYSIS.''
      4'    TYPE "2" TO RETURN TO THE PROGRAM SELECTION SECTION.'/)
 210  FORMAT('' YOU WILL NOW BE GIVEN THE OPPORTUNITY TO SEE THE FREQUENCY THAT'
     /
      1 ' VARIOUS ITEMS OCCURED IN THE CRISIS SET''
      1 '          TYPE 1      FOR THE PROBLEM FREQUENCY TABLE''
      1 '          TYPE 2      FOR THE ACTION FREQUENCY TABLE''
      1 '          TYPE 3      FOR THE OBJECTIVE FREQUENCY TABLE''
      1 '          TYPE 4      TO CONTINUE'//)
 220  FORMAT('' DO YOU WANT TO SEE INFORMATION ON HOW TO RUN THIS PROGRAM?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 230  FORMAT('' DO YOU WANT TO SEE THE CONDITIONAL FREQUENCY TABLE AT THIS POINT
     ''
      1 ' IN THE ANALYSIS? ANSWER "Y" FOR YES, "N" FOR NO')
 240  FORMAT('' DO YOU WANT TO SEE A PLOT OF CRISIS FREQUENCY BY TIME?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 250  FORMAT('' DO YOU WANT TO PERFORM ANOTHER FUNCTION?''
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')
 300  FORMAT(24X'CRISIS TYPE FUNCTION MENU')
 310  FORMAT(21X'FURTHER ANALYTICAL POSSIBILITIES')
      STOP
      END
```

```
          SUBROUTINE FTABLE
          DIMENSION X(20),Y(20)
          OPEN(UNIT=8,NAME='POINTS',TYPE='OLD',READONLY)
          CALL DWINDO(0.,1024.,0.,780.)
          CALL INITT(120)
          DO 1 I=1,2
            READ(8,101)NPTS
101         FORMAT(I)
            READ(8,102)(X(J),J=1,NPTS)
102         FORMAT(20F)
            READ(8,102)(Y(J),J=1,NPTS)
           CALL APOLY(X,Y,NPTS)
           CALL ANMODE
1          CONTINUE
           CALL MOVABS(0,780)
           CALL ANMODE
          CLOSE(UNIT=8,DISPOSE='SAVE')
          RETURN
          END
```

```
        SUBROUTINE CROSS
        DIMENSION ICRYR(101),YCNT(32)
        OPEN(UNIT=2,NAME='/U1/JANICE/D1/CRYR',TYPE='OLD')
          READ(2,99)ISUM
          DO 17 I=1,ISUM
           READ(2,99)ICRYR(I)
17        CONTINUE
99        FORMAT(I3)
        CLOSE(UNIT=2,DISPOSE='DELETE')
        ICATT = 0
        ICAT = 0
        YCNT(1)=31
        DO 3 I=46,76
          IF(ICRYR(ICATT+1).NE.I)GO TO 3
          DO 4 J=ICATT,ISUM
            IT=I-45
            IF(ICRYR(J).EQ.I)YCNT(IT+1)=YCNT(IT+1)+1.;ICAT=ICAT+1
4         CONTINUE
          ICATT=ICAT
3       CONTINUE

        CALL PLOT(YCNT)
        RETURN
        END



        SUBROUTINE PLOT(Y)
        DIMENSION ISTR(49),ISTQ(4)
        DIMENSION X(4),Y(32)
        LOGICAL*1 IS
        INTEGER ACT
        DATA ISTR/78,85,77,66,69,82,32,79,70,32,67,82,73,83,69,83,32,84,72,65,84,
       132,83,65,84,73,83,73,70,89,32,84,72,69,32,68,69,83,67,82,73,80,84,
       1 79,82,32,83,69,84/

        DATA ISTQ/89,69,65,82/
        DATA X/-1.,31.,46.,1./
          TYPE 1001
1001      FORMAT(' !WOR 33 H !EPA W !GRAPHIC 1 35 !SHRINK !WOR K !MON K')
        CALL INITT(240)
        CALL BINITT
        CALL DLIMX(46.,78.)
        CALL DLIMY(0.,20.)
        CALL VBARST(10,6,4)
        CALL XFRM(3)
        CALL CHECK(X,Y)
        CALL DSPLAY(X,Y)
         CALL NOTATE(175,730,49,ISTR)
         CALL NOTATE(120,50,4,ISTQ)
         CALL ANMODE
         READ(5,100)IS
         CALL CLR
100      FORMAT(A1)
         RETURN
         END
```

```
#
#DEFINE NUMCRI 101
        SUBROUTINE LIST(IDNOS,IFLAG)
        DIMENSION TMP(70),IDNOS(NUMCRI),ICRYR(NUMCRI)
        DIMENSION X1(2),Y1(2),X2(10),Y2(10)
        INTEGER TMP
        LOGICAL*1 IS
        CALL CLR
        LINE = 2
        OPEN(UNIT=3,NAME='PPOINTS',TYPE='OLD',READONLY)
        READ(3,170)N1
        READ(3,191) (X1(J),J=1,N1)
        READ(3,191) (Y1(J),J=1,N1)
        READ(3,170)N2
        READ(3,191) (X2(J),J=1,N2)
        READ(3,191) (Y2(J),J=1,N2)
        READ(3,192) IX,IY
        CLOSE(UNIT=3,DISPOSE='SAVE')
191     FORMAT(30F)
192     FORMAT(2I)
        CALL INITT(120)
         CALL APOLY(X1,Y1,N1)
         CALL APOLY(X2,Y2,N2)
         CALL MOVABS(0,781)
         CALL ANMODE
        WRITE(6,110)
        OPEN(UNIT=2,NAME='/U1/JANICE/101CRS',TYPE='OLD',READONLY)
        DO 1 I=1,NUMCRI
         READ(2,100) NCRS,(TMP(IT),IT=1,NCRS)
         IF(IDNOS(I)) 1,1,2
2        WRITE(6,120) I,(TMP(IT),IT=1,NCRS)
         LINE=LINE+1
         IF(LINE.LE.25) GOTO 1
         CALL MOVABS(IX,IY)
         CALL ANMODE
         WRITE(6,130);READ(5,140)IS;CALL CLR; LINE=2
         CALL APOLY(X1,Y1,N1)
         CALL APOLY(X2,Y2,N2)
         CALL MOVABS(0,781)
         CALL ANMODE
         WRITE(6,110)
1       CONTINUE
         REWIND 2
         ISUM=0
        IT=0
        DO 5 I=1,NUMCRI
            READ(2,101)IAS
            IF(IDNOS(I))6,6,7
7           ICRYR(I-IT)=IAS
            ISUM=ISUM+1
            GO TO 5
6           IT=IT+1
5       CONTINUE
        CLOSE(UNIT=2,DISPOSE='SAVE')
        OPEN(UNIT=2,NAME='/U1/JANICE/D1/CRYR',TYPE='NEW')
        WRITE(2,99)ISUM
```

69

```
          DO 13 I=1,ISUM
             WRITE(2,99) ICRYR(I)
 13       CONTINUE
 99       FORMAT(1x,I3)
          CLOSE(UNIT=2,DISPOSE='SAVE')
          CALL MOVABS(IX,IY)
          CALL ANMODE
 3        WRITE(6,150);WRITE(6,160);READ(5,170) IFLAG
          IF(IFLAG.EQ.3)CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,140) IS;
         1CALL CLR; GOTO 3


 C
 C
 C        FORMAT STATEMENTS
 C
 C
 100      FORMAT(Q,70A1)
 101      FORMAT(3x,I2,70x)
 110      FORMAT(10x,' THE CRISES THAT SATISIFY THE SET OF DESCRIPTORS ARE:'//)
 120      FORMAT(I4,'.',2x,70A1)
 130      FORMAT(// PRESS [RETURN] TO CONTINUE')
 140      FORMAT(A1)
 150      FORMAT(// IF YOU ARE NOT SATISIFIED WITH THE SET OF CRISES TYPE "1"//
         1' AND YOU WILL BE RETURNED TO THE DESCRIPTOR SPECIFICATION SECTION.')
 160      FORMAT(' ANSWER "1" TO RETURN, "2" TO CONTINUE, "3" FOR HELP.')
 170      FORMAT(I1)
 180      FORMAT(// IF FOR SOME REASON YOU ARE NOT SATISIFIED WITH THE CRISES//
         1' THAT YOUR DESCRIPTOR SET DESCRIBES, YOU CAN RETURN TO THE DESCRIPTOR//
         2' SPECIFICATION SECTION. THERE YOU WILL BE ABLE TO MODIFY THE SET//
         3' THAT YOU HAVE CREATED. OTHERWISE YOU WILL BE SENT TO THE //
         4' PROGRAM SELECTION SECTION.')

          RETURN
          END
```

```
          SUBROUTINE TABLE(IDSVEC,IT,IDNOS)
          IMPLICIT REAL*4 (X,Y)
          DIMENSION IDSVEC(IT),IDNOS(101),IVALUE(22),INCRS(22),INUM(22),
        1 IPOINT(101)
          DIMENSION X(30),Y(30),X1(5),Y1(5),X2(5),Y2(5),X3(5),Y3(5)
          DIMENSION LS(11),IP(22)
          DIMENSION FORRAY(5)
          DIMENSION IDCRS(22),IVAL(22)
          REAL*8 FORRAY
          INTEGER*4 LS
          EQUIVALENCE (LS(1),IP(1))
          OPEN(UNIT=2,NAME='/U1/JANICE/USANL/FTABDA',TYPE='OLD',ACCESS='DIRECT',
        1 RECORDSIZE=30,READONLY)
          OPEN(UNIT=3,NAME='/U1/JANICE/D1/US101DA',TYPE='OLD',ACCESS='DIRECT',
        1 RECORDSIZE=11,READONLY)
          DO 69 I=1,101
             IDNOS(I) = 1
69        CONTINUE
          DO 47 J1 = 1,IT
             INCRS(J1) = 0
             INUM(J1) = J1
47        CONTINUE
          DO 5 I=1,101
             READ(3'I) (LS(J),J=1,11)
             DECODE(44,100,IP) IVALUE
100       FORMAT (22I2)
          IF(IDSVEC(1).EQ. 0) GOTO 10
          IF(IVALUE(1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10        INCRS(1) =INCRS(1)+1
20        IF(IT.EQ.1) GOTO 5
          IF(IDSVEC(2).EQ.0) GOTO 30
          IF(IVALUE(1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30        INCRS(2) = INCRS(2)+1
40        IF(IT.EQ.2)GOTO 5
          DO 7 J=3,IT
             IF(IDSVEC(J).EQ.0) GOTO 50
             IF(IDSVEC(J).NE.IVALUE(J-1)) IDNOS(I) = 0 ; GOTO 5
50           INCRS(J) = INCRS(J) + 1
7         CONTINUE
5         CONTINUE
          ITMP=0
          DO 13 I=1,IT
             IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
             INUM(I-ITMP)=I
             IVAL(I-ITMP)=IDSVEC(I)
             IDCRS(I-ITMP)=INCRS(I)

13        CONTINUE
          ITT=IT-ITMP
          READ(2'1)XPT1
          NPT1=XPT1

          READ(2'2) (X1(J),J=1,NPT1)
          READ(2'3) (Y1(J),J=1,NPT1)
          READ(2'4)XPT2
          NPT2=XPT2
```

71

```
        READ(2'5)(X2(J),J=1,NPT2)
        READ(2'6)(Y2(J),J=1,NPT2)
        READ(2'7)XPT3
        NPT3=XPT3
        READ(2'8)(X3(J),J=1,NPT3)
        READ(2'9)(Y3(J),J=1,NPT3)
          READ(2'(ITT*3+7))XPTS
          NPTS=XPTS
          READ(2'(ITT*3+8))(X(J),J=1,NPTS)
          READ(2'(ITT*3+9))(Y(J),J=1,NPTS)


        CALL INITT(120)
        CALL APOLY(X1,Y1,NPT1)
        CALL MOVABS(0,781)
        CALL ANMODE
        WRITE(6,112)
112     FORMAT(23X,'CONDITIONAL FREQUENCY TABLE')
        CALL APOLY(X,Y,NPTS)
        CALL ANMODE
        CALL FORMAT(ITT,FORRAY)
        CALL MOVABS(0,687) ; CALL ANMODE
          WRITE(6,FORRAY)(INUM(I),I=1,ITT)
        CALL MOVABS(0,654) ; CALL ANMODE
          WRITE(6,FORRAY)(IVAL(I),I=1,ITT)
        CALL MOVABS(0,621) ; CALL ANMODE
          WRITE(6,FORRAY)(IDCRS(I),I=1,ITT)
        CALL APOLY(X2,Y2,NPT2)
        CALL ANMODE
        CALL APOLY(X3,Y3,NPT3)
        CALL MOVABS(0,424)
        CALL ANMODE
          WRITE(6,150)
150     FORMAT('   KEY'////'   ROW 1 = DESCRIPTOR ID. NUMBER'/
      1 '   ROW 2 = USER SELECTED DESCRIPTOR VALUE'/
      2 '   ROW 3 = # OF CRISES THAT SATISIFY THE DESCRIPTORS')

          CALL MOVABS(0,200)
          CALL ANMODE
          WRITE(6,160)
        READ(5,170)IS
170     FORMAT(A1)
        CLOSE(UNIT=2,DISPOSE='SAVE')
        CLOSE(UNIT=3,DISPOSE='SAVE')
160     FORMAT(' PRESS [RETURN] TO CONTINUE')
        RETURN
        END




        SUBROUTINE FORMAT(IT,FORRAY)
        DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),
      1 ITM(7),IX(17),IUNS(16),IXX(18)
        REAL*8 FORRAY,FORTMP,IXX
        DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14
```

```
      1 1,12,13,14/
        DATA FORTMP/'(','17I4',',' ','16I4',','2I3','13I4',','6I3','10I4',',
      1 '10I3','7I4',','14I3','4I4','18I3',',')'/
        DATA IXX/'34x','32x','30x','28x','26x','24x','22x','20x','18x',',
      1 '16x','14x','12x','10x','8x','6x','4x','1x',',')'/
        IF(IT.GT.17) GOTO 53
        FORRAY(1)=FORTMP(IFOR(1,1))
        FORRAY(2) = IXX(IT)
        DO 1 I=3,5
          FORRAY(I) = FORTMP(IFOR((I-1),1))
      1 CONTINUE
        GOTO 83
     53 DO 2 I=1,4
          FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
      2 CONTINUE
        FORRAY(5) = IXX(18)
     83 RETURN
        END
```

73

```
1       IMEN=MENU('LIST THE 386 PRC CRISES,
        1FIND CRISES WITH SELECTED CHARACTERISTICS,
        1DISPLAY CHARACTERISTICS FOR A SELECTED CRISIS,
        1HELP,
        1EXIT,
        1ASCEND TO CTO PROGRAM MENU>','PRC CRISIS MANAGEMENT DATA SYSTEM>')
        IF(IMEN.EQ.1)CALL LIST(1)
        IF(IMEN.EQ.2)CALL UEXECL('/U1/JANICE/PRC/PRCDES.OUT',0)
        IF(IMEN.EQ.3)CALL UEXECL('/U1/JANICE/PRC/PRCTAB.OUT',0)
        IF(IMEN.EQ.4)CALL LIST(2)
        IF(IMEN.EQ.5)CALL UEXECL('/U1/DEMO/6',0)
        IF(IMEN.EQ.6)CALL UEXECL('/U1/DEMO/PIE',0)

        GOTO 1
        STOP
        END
          SUBROUTINE LIST(ITT)
          DIMENSION IX(72)
          LOGICAL*1 IS
          CALL CLR
          WRITE(6,100)
          LINE = 1
100       FORMAT(' THE 386 PRC CRISES ARE:',/)
          GOTO ITT
1         OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRC386',TYPE='OLD',READONLY)
2         OPEN(UNIT=1,NAME='/U1/JANICE/PRCHELP',TYPE='OLD',READONLY)
          DO 7 I=1,386
          READ(1,111)IX(1),(IX(J),J=2,IX(1)+1)
            WRITE(6,110)I,(IX(J),J=2,IX(1)+1)
110       FORMAT(1X,I3,'.',1X,70A1)
111       FORMAT(Q,70A1)
            LINE = LINE + 1
            IF(LINE .LT. 26) GOTO 7
        WRITE(6,1411)
1411    FORMAT(/,' PRESS [RETURN] TO CONTINUE')
          READ(5,200) IS
200       FORMAT(A1)
          CALL CLR
          WRITE(6,100)
          LINE=1
7         CONTINUE
          RETURN
          END
        SUBROUTINE CLR
          TYPE 101
101       FORMAT(' !ERA W')
        I=27
        J=12
      WRITE(6,1) I,J
1 FORMAT(1H ,2A1)
      RETURN
      END
```

74

```
        DIMENSION DESMAT(166,80),ILINE(25),IBOUND(48)
1       ,IDSVEC(24),IDNDS(386),TMP(80)
        INTEGER DESMAT,TMP
        DATA ILINE/1,6,11,18,28,39,44,54,58,63,68,74,82,90,98,106,114,
1       119,126,133,140,144,152,159,166/

        DATA IBOUND/49,78,49,78,0,5,0,8,0,9,0,3,0,8,0,2,0,3,0,3,0,4,0,6,0,6,
1       0,6,0,6,0,6,0,3,0,5,0,5,0,5,0,2,0,6,0,5,0,5/

        OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRCODEBK',TYPE='OLD',READONLY)
        DO 1 I=1,166
          READ(1,114) DESMAT(I,1),(DESMAT(I,J),J=2,DESMAT(I,1)+1)
114       FORMAT(Q,76A1)
1       CONTINUE
        CLOSE(UNIT=1,DISPOSE='SAVE')




        WRITE(6,102)
71      WRITE(6,100)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.EQ.'H')CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,105)IS;CALL CLR;
1GOTO 71
        IF(IS .EQ. 'N') GOTO 99
        CALL CLR
        WRITE(6,155)
        DO 67 I=1,165
        WRITE(6,113) (DESMAT(I,J),J=2,DESMAT(I,1)+1)
        LINE=LINE+1
        IF(LINE.NE.22.AND.LINE.NE.45.AND.LINE.NE.68.AND.LINE.NE.93.AND.
1       LINE.NE.119) GOTO 67
        WRITE(6,130) ; READ(5,105) IS ; CALL CLR
        WRITE(6,155)
67      CONTINUE
99      WRITE(6,130) ; READ(5,105) IS ; CALL CLR ; WRITE(6,102)
        LINE = 5; IPOINT = 1
10      DO 2 I=IPOINT,24
        IT = I
20        DO 3 J=ILINE(IT),ILINE(IT+1)-1
              WRITE(6,113) (DESMAT(J,N),N=2,DESMAT(J,1)+1)
            LINE = LINE + 1
3         CONTINUE

        WRITE(6,115)
        READ(5,120) IDSVEC(IT)
        IF(IDSVEC(IT).EQ.0.AND.I.EQ.1)IDSVEC(IT)=49
        IF(IDSVEC(IT).EQ.0.AND.I.EQ.2)IDSVEC(IT)=78
        IF(IDSVEC(IT).LT.IBOUND((IT*2)-1).OR.IDSVEC(IT).GT.IBOUND(IT*2))
1WRITE(6,125);WRITE(6,130);READ(5,105) IS ; CALL CLR;   LINE = 1 ;
2GOTO 20
        WRITE(6,130);READ(5,105) IS ; CALL CLR
        IF(ITT.GT.IT) IT=ITT
          WRITE(6,116);READ(5,105)ISK;IF(ISK.EQ.'N')GOTO 13
          CALL CLR
```

75

```
        CALL TABLE(IDSVEC,IT,IDNOS)
.13     IFLAG = 0
        CALL CLR
        WRITE(6,135)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 13
        IF(IS.EQ.'H'.AND.IFLAG.EQ.1)CALL CLR;WRITE(6,185);WRITE(6,130);
       1READ(5,105)IS ; CALL CLR ; GOTO 13
        IF(IS.EQ.'H')CALL CLR; WRITE(6,190);WRITE(6,130);READ(5,105)IS;
       1CALL CLR; GOTO 13
        IF(IS.EQ.'Y') GOTO 37
23      WRITE(6,140)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 23
        IF(IS.EQ.'H')CALL CLR;WRITE(6,195);WRITE(6,130);
       1READ(5,105)IS;CALL CLR; GOTO 23
        IF(IS.EQ.'Y') GOTO 2
        CALL CLR ; LINE = 2
29      WRITE(6,170)
27      DO 17 I=1,24
           IF(IDSVEC(I).EQ.0) GOTO 17
           IF(I.LE.2)WRITE(6,113) (DESMAT(ILINE(I)+1,J),J=2,DESMAT(ILINE(I)+1,1)+1)
       1    ;WRITE(6,112)IDSVEC(I); GO TO 17
           WRITE(6,113) (DESMAT(ILINE(I)+1,J),J=2,DESMAT(ILINE(I)+1,1)+1)
           WRITE(6,117) (DESMAT(ILINE(I)+1+IDSVEC(I),J),J=2,DESMAT(ILINE(I)+1
       1    +IDSVEC(I),1)-12)
           LINE = LINE+3
           IF(LINE.LE.26) GOTO 17
           WRITE(6,130);READ(5,105) IS ; CALL CLR ; LINE=3
           WRITE(6,170)
17      CONTINUE
        WRITE(6,130) ; READ(5,105) IS
        IF(IFLAG.EQ.1) GOTO 13
        IFLAG=0 ; CALL LIST(IDNOS,IFLAG)
        IF(IFLAG.EQ.1) GOTO 29
        WRITE(6,200);READ(5,120) ITR;WRITE(6,130);READ(5,105)IS;CALL CLR
        IF(ITR.EQ.1) CALL UEXECL('/U1/JANICE/PRC/CROSS.OUT',0)
        CALL UEXECL('/U1/JANICE/PRC/PRCMAIN.OUT',0)
37      WRITE(6,145)
        READ(5,120) IPOINT ; ITT=IT ; GO TO 10
2       CONTINUE

C   FORMAT STATEMENTS
C
100     FORMAT(' DO YOU WANT TO SEE A LIST OF THE DESCRIPTORS?')
102     FORMAT(' YOU WILL NOW SELECT DESCRIPTOR VALUES ONE AT A TIME.'/
       1' AFTER EACH SELECTION YOU WILL BE SHOWN HOW MANY CRISES'/
       2' FIT YOUR SET OF DESCRIPTORS'/)
105     FORMAT(A1)
112     FORMAT(5X,' THE YEAR SELECTED IS:',3X,'19',I2//)
113     FORMAT(1X,70A1)
117     FORMAT(5X,70A1/)
116     FORMAT(' DO YOU WANT TO SEE THE CONDITIONAL FREQUENCY TABLE AT THIS'/
```

```
        1 ' POINT IN THE ANALYSIS? ANSWER "Y" FOR YES, "N" FOR NO')
115    FORMAT(// ENTER THE VALUE OF THE DESCRIPTOR.'/)
120    FORMAT(I2)

125    FORMAT(// DESCRIPTOR VALUE IS OUTSIDE BOUNDS OF THE DESCRIPTOR')
130    FORMAT(// PRESS [RETURN] TO CONTINUE')
135    FORMAT(' IF YOU WANT TO CHANGE THE VALUE OF ANY DESCRIPTORS, OR'/
        1' SPECIFY THE VALUE OF A DESCRIPTOR THAT OCCURS FURTHER ON IN'/
        2' THE LIST TYPE "Y"')
140    FORMAT(// DO YOU WANT TO SPECIFY THE VALUE OF ANY MORE DESCRIPTORS?')
145    FORMAT(// ENTER THE ID. NO. OF THE DESCRIPTOR YOU WANT TO SPECIFY')
150    FORMAT(1x,22I2)
155    FORMAT(' THE CRISIS DESCRIPTORS ARE:')
170    FORMAT(' YOU HAVE SELECTED THE FOLLOWING DESCRIPTORS:'/)
175    FORMAT(' ANSWER ("Y" FOR YES, "N" FOR NO, OR "H" FOR HELP)')

180    FORMAT( ' IN THE FIRST STEP IN THE ANALYSIS YOU WILL BE ASKED TO CREATE A'
        /
        !' SET OF CRISIS DESCRIPTORS THAT WILL BE USED TO SPECIFY TYPES OF'/
        !' CRISES. YOU WILL THEN BE SHOWN THE CRISES THAT ARE HISTOR-'/
        !' ICALLY ASSOCIATED WITH YOUR CRISIS TYPE. IN ORDER TO SELECT A'/
        !' DESCRIPTOR SET A COPY OF THE DESCRIPTORS WILL BE VERY USEFUL.'/
        !' TO OBTAIN THIS COPY ANSWER "Y" TO THE NEXT QUESTION AND HIT THE'/
        !' [MAKE COPY] KEY EACH TIME THE SCREEN IS FULL.'/)

190    FORMAT(' YOU HAVE JUST SEEN THE CONDITIONAL FREQUENCY TABLE. YOU CAN NOW'/
        !' CHANGE THIS TABLE BY ANSWERING "Y" TO THIS QUESTION. YOU WILL'/
        !' THEN BE ASKED TO ENTER THE ID. NUMBER OF THE DESCRIPTOR YOU'/
        !' WANT TO RESPECIFY. NOTE THAT IT IS VALID TO ENTER THE ID.'/
        !' NUMBER OF A DESCRIPTOR THAT HAS NOT AS YET BEEN SPECIFIED.'/)

185    FORMAT(' YOU HAVE JUST SEEN THE LIST OF DESCRIPTORS THAT YOU HAVE'/
        !' SPECIFIED. YOU CAN NOW MODIFY THIS LIST BY ANSWERING "Y" TO'/
        !' THIS QUESTION AND ENTERING THE ID. NUMBER OF THE DESCRIPTOR YOU'/
        !' WANT TO CHANGE IN RESPONSE TO THE NEXT QUESTION.'/)

195    FORMAT(' IF YOU ANSWER "Y" TO THIS QUESTION YOU WILL BE ASKED TO SPECIFY'/
        !' THE NEXT DESCRIPTOR IN THE DESCRIPTOR LIST. IF YOU ANSWER "N"'/
        !' YOU WILL PROCEED WITH THE ANALYSIS.'/)

200    FORMAT(// DO YOU WANT TO SEE A PLOT OF THE # OF CRISES PER YEAR'/
        1 ' THAT SATISIFIED THE DESCRIPTOR SET?'//
        3'   TYPE "1" TO PROCEED.'/
        4'   TYPE "2" TO RETURN TO THE PROGRAM SELECTION SECTION.'/)
       STOP
       END




       SUBROUTINE TABLE(IDVEC,IT,IDNO)
```

77

```
        DIMENSION IDSVEC(IT),IDNOS(386),IVALUE(386,24),INCRS(24),INUM(24),
     1 IPOINT(101)
        DIMENSION FORRAY(5),FOR26(6),FOR27(5)
         DIMENSION IDCRS(24),IVAL(24)
        REAL*8 FORRAY
        INTEGER*4 FOR26,FOR27
        IF(ITEST.EQ.1)GOTO 15
        OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRCDATA',TYPE='OLD',READONLY)
        DO 31 I=1,386
          READ(1,113) (IVALUE(I,J),J=1,23)
113     FORMAT(I2,12X,I1,1X,I1,3X,8(1X,I1),1X,4I1,8(1X,I1))
31      CONTINUE
        CLOSE(UNIT=1,DISPOSE='SAVE')
        ITEST=1
15      DO 69 I=1,386
          IDNOS(I) = 1
69      CONTINUE
        DO 47 J1 = 1,IT
          INCRS(J1) = 0
          INUM(J1) = J1
47      CONTINUE
        DO 5 I=1,386
          IF(IDSVEC(1).EQ. 0) GOTO 10
          IF(IVALUE(I,1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10        INCRS(1) =INCRS(1)+1
20        IF(IT.EQ.1) GOTO 5
          IF(IDSVEC(2).EQ.0) GOTO 30
          IF(IVALUE(I,1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30        INCRS(2) = INCRS(2)+1
40        IF(IT.EQ.2)GOTO 5
          DO 7 J=3,IT
            IF(IDSVEC(J).EQ.0) GOTO 50
            IF(IDSVEC(J).NE.IVALUE(I,J-1)) IDNOS(I) = 0 ; GOTO 5
50          INCRS(J) = INCRS(J) + 1
7         CONTINUE
5       CONTINUE
        ITMP=0
        DO 13 I=1,IT
          IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
          INUM(I-ITMP)=I
          IVAL(I-ITMP)=IDSVEC(I)
          IDCRS(I-ITMP)=INCRS(I)

13      CONTINUE
        ITT=IT-ITMP
        CALL FORMAT(ITT,FORRAY,FOR26,FOR27)
76       WRITE(6,110)
        IF(IT .EQ.1) WRITE(6,111)
        WRITE(6,FOR26)
        WRITE(6,FORRAY) (INUM(I),I=1,ITT)
        WRITE(6,FOR27)
        WRITE(6,FOR26)
        WRITE(6,FORRAY) (IVAL(I),I=1,ITT)
        WRITE(6,FOR27)
        WRITE(6,FOR26)
        WRITE(6,FORRAY) (IDCRS(I),I=1,ITT)
```

```
        WRITE(6,FOR27)
        WRITE(6,150)
        WRITE(6,160)
  -     READ(5,170) IS
110     FORMAT(/22X' CONDITIONAL FREQUENCY TABLE'/
        123X,'---------------------------'/)
111     FORMAT(' THE FOLLOWING TABLE SHOWS THE NUMBER OF CRISES THAT SATISIFY THE'
        /
        3' SET OF DESCRIPTORS THAT THE USER HAS SPECIFIED AT THIS POINT IN'/
        4' THE ANALYSIS'//)
 150      FORMAT(/// KEY'// ---'/// ROW 1 = DESCRIPTOR ID. NUMBER'/
        1 ' ROW 2 = USER SELECTED DESCRIPTOR VALUE'/
        2 ' ROW 3 = # OF CRISES THAT SATISIFY THE DESCRIPTORS')
120     FORMAT(17I4)
160     FORMAT(// PRESS [RETURN] TO CONTINUE')
170     FORMAT(A1)
        RETURN
        END
        SUBROUTINE FORMAT(IT,FORRAY,FOR26,FOR27)
        DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),FOR26(5),
       1 FOR27(5),ITM(7),IX(17),IUNS(16),IXX(18)
        REAL*8 FORRAY,FORTMP,IXX
        INTEGER*4 FOR27,ITM,IX,FOR26,IUNS
        DATA ITM/'H_',')')','68(1','70(1','1X',',','(','H-'/
        DATA IUNS/' 4(1',' 8(1','12(1','16(1','20(1','24(1','28(1',
       1'32(1','36(1'
       1,'40(1','44(1','48(1','52(1','56(1','60(1','64(1'/
        DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14,
       1 1,12,13,14/
        DATA FORTMP/'(','17I4',', ','16I4','2I3','13I4','6I3','10I4',
       1 '10I3','7I4','14I3','4I4','18I3',')'/
        DATA IX/'34X','32X','30X','28X','26X','24X','22X',
       1 '20X','18X',
       1 '16X','14X','12X','10X','8X','6X','4X','2X'/
        DATA IXX/'34X','32X','30X','28X','26X','24X','22X','20X','18X',
       1 '16X','14X','12X','10X','8X','6X','4X','1X',')'/
        IF(IT.GT.17) GOTO 53
        FORRAY(1)=FORTMP(IFOR(1,1))
        FORRAY(2) = IXX(IT)
        DO 1 I=3,5
          FORRAY(I) = FORTMP(IFOR((I-1),1))
 1      CONTINUE
        GOTO 63
 53     DO 2 I=1,4
          FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
 2      CONTINUE
        FORRAY(5) = IXX(18)
 63     FOR26(1)=ITM(6)
        IF(IT.GT.16) GOTO 133
        FOR26(2) = IX(IT)
        FOR26(3) = IUNS(IT)
        FOR26(4) = ITM(1)
        FOR26(5) = ITM(2)
        GOTO 194
133     IF(IT.GT.17) GOTO 134
        FOR26(2) = ITM(5)
        FOR26(3) = ITM(3)
```

```
           FOR26(4) = ITM(1)
           FOR26(5) = ITM(2)
           GOTO 194
134        FOR26(2) = ITM(5)
           FOR26(3) = ITM(4)
           FOR26(4) = ITM(1)
           FOR26(5) = ITM(2)
194        DO 89 I=1,3
              FOR27(I) = FOR26(I)
89         CONTINUE
           FOR27(4) = ITM(7)
           FOR27(5) = ITM(2)
           RETURN
           END
           SUBROUTINE LIST(IDNOS,IFLAG)
           DIMENSION TMP(70),IDNOS(386),ICRYR(386)
           INTEGER TMP
           LOGICAL*1 IS
           CALL CLR
           LINE = 2
           OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRC386',TYPE='OLD',READONLY)
           WRITE(6,110)
           DO 1 I=1,386
             READ(1,100) NCRS,(TMP(IT),IT=1,NCRS)
             IF(IDNOS(I)) 1,1,2
2            WRITE(6,120) I,(TMP(IT),IT=1,NCRS)
             LINE=LINE+1
             IF(LINE.LE.26) GOTO 1
             WRITE(6,130);READ(5,140) IS;CALL CLR; LINE=2
             WRITE(6,110)
1          CONTINUE
           REWIND 1
           ISUM=0
           IT=0
           DO 5 I=1,386
               READ(1,101) IAS
               IF(IDNOS(I)) 6,6,7
7              ICRYR(I-IT)=IAS
               ISUM=ISUM+1
               GO TO 5
6              IT=IT+1
5          CONTINUE
           CLOSE(UNIT=1,DISPOSE='SAVE')
           OPEN(UNIT=1,NAME='/U1/JANICE/PRC/CRYR',TYPE='NEW')
           WRITE(1,99) ISUM
           DO 13 I=1,ISUM
             WRITE(1,99) ICRYR(I)
13         CONTINUE
99         FORMAT(1X,I3)
           CLOSE(UNIT=1,DISPOSE='SAVE')
3          WRITE(6,150);WRITE(6,160);READ(5,170) IFLAG
           IF(IFLAG.EQ.3)CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,140) IS;
          1CALL CLR; GOTO 3

           IF(LINE.NE.2) WRITE(6,130);READ(5,140) IS;CALL CLR
C
```

```
C
C      FORMAT STATEMENTS
C
C
100    FORMAT(2,70A1)
101    FORMAT(2X,I2,70X)
110    FORMAT(' THE CRISES THAT SATISIFY THE SET OF ACTIONS ARE:'/)
120    FORMAT(I4,'.',2X,70A1)
130    FORMAT(// PRESS [RETURN] TO CONTINUE')
140    FORMAT(A1)
150    FORMAT(// IF YOU ARE NOT SATISIFIED WITH THE SET OF CRISES TYPE "1"//
      1' AND YOU WILL BE RETURNED TO THE ACTION SPECIFICATION SECTION.')
160    FORMAT(// ANSWER "1" TO RETURN, "2" TO CONTINUE, "3" FOR HELP.')
170    FORMAT(I1)
180    FORMAT(// IF FOR SOME REASON YOU ARE NOT SATISIFIED WITH THE CRISES//
      1' THAT YOUR ACTION SET DESCRIBES, YOU CAN RETURN TO THE ACTION//
      2' SPECIFICATION SECTION. THERE YOU WILL BE ABLE TO MODIFY THE SET//
      3' THAT YOU HAVE CREATED. OTHERWISE YOU WILL BE SENT TO THE //
      4' PROGRAM SELECTION SECTION.')

       RETURN
       END




       SUBROUTINE CLR
       TYPE 101
101    FORMAT(' !ERA W')
       I=27
       J=12
       WRITE(6,1) I,J
     1 FORMAT(1H ,2A1)
       RETURN
       END
```

```
       SUBROUTINE TABLE(IDSVEC,IT,IDNOS)
       IMPLICIT REAL*4 (X,Y)
       DIMENSION IDSVEC(IT),IDNOS(101),IVALUE(22),INCRS(22),INUM(22),
      1 IPOINT(101)
       DIMENSION X(30),Y(30),X1(5),Y1(5),X2(5),Y2(5),X3(5),Y3(5)
       DIMENSION LS(11),IP(22)
       DIMENSION FORRAY(5)
       DIMENSION IDCRS(22),IVAL(22)
       REAL*8 FORRAY
       INTEGER*4 LS
       EQUIVALENCE (LS(1),IP(1))
       OPEN(UNIT=2,NAME='/u1/JANICE/USANL/FTABDA',TYPE='OLD',ACCESS='DIRECT',
      1 RECORDSIZE=30,READONLY)
       OPEN(UNIT=3,NAME='/u1/JANICE/D1/US101DA',TYPE='OLD',ACCESS='DIRECT',
      1 RECORDSIZE=11,READONLY)
       DO 69 I=1,101
          IDNOS(I) = 1
69     CONTINUE
       DO 47 J1 = 1,IT
          INCRS(J1) = 0
          INUM(J1) = J1
47     CONTINUE
       DO 5 I=1,101
          READ(3'I) (LS(J),J=1,11)
          DECODE(44,100,IP)IVALUE
100       FORMAT(22I2)
          IF(IDSVEC(1).EQ. 0) GOTO 10
          IF(IVALUE(1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10        INCRS(1) =INCRS(1)+1
20        IF(IT.EQ.1) GOTO 5
          IF(IDSVEC(2).EQ.0) GOTO 30
          IF(IVALUE(1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30        INCRS(2) = INCRS(2)+1
40        IF(IT.EQ.2)GOTO 5
          DO 7 J=3,IT
             IF(IDSVEC(J).EQ.0) GOTO 50
             IF(IDSVEC(J).NE.IVALUE(J-1)) IDNOS(I) = 0 ; GOTO 5
50           INCRS(J) = INCRS(J) + 1
7         CONTINUE
5      CONTINUE
       ITMP=0
       DO 13 I=1,IT
          IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
          INUM(I-ITMP)=I
          IVAL(I-ITMP)=IDSVEC(I)
          IDCRS(I-ITMP)=INCRS(I)

13     CONTINUE
       ITT=IT-ITMP
       READ(2'1)XPT1
       NPT1=XPT1

       READ(2'2) (X1(J),J=1,NPT1)
       READ(2'3) (Y1(J),J=1,NPT1)
       READ(2'4)XPT2
       NPT2=XPT2
```

```
      READ(2'5) (X2(J),J=1,NPT2)
      READ(2'6) (Y2(J),J=1,NPT2)
      READ(2'7) XPT3
      NPT3=XPT3
      READ(2'8) (X3(J),J=1,NPT3)
      READ(2'9) (Y3(J),J=1,NPT3)
        READ(2'(ITT*3+7)) XPTS
        NPTS=XPTS
        READ(2'(ITT*3+8)) (X(J),J=1,NPTS)
        READ(2'(ITT*3+9)) (Y(J),J=1,NPTS)


      CALL INITT(120)
      CALL APOLY(X1,Y1,NPT1)
      CALL MOVABS(0,781)
      CALL ANMODE
      WRITE(6,112)
112   FORMAT(23X,'CONDITIONAL FREQUENCY TABLE')
      CALL APOLY(X,Y,NPTS)
      CALL ANMODE
      CALL FORMAT(ITT,FORRAY)
      CALL MOVABS(0,687) ; CALL ANMODE
        WRITE(6,FORRAY) (INUM(I),I=1,ITT)
      CALL MOVABS(0,654) ; CALL ANMODE
        WRITE(6,FORRAY) (IVAL(I),I=1,ITT)
      CALL MOVABS(0,621) ; CALL ANMODE
        WRITE(6,FORRAY) (IDCRS(I),I=1,ITT)
      CALL APOLY(X2,Y2,NPT2)
      CALL ANMODE
      CALL APOLY(X3,Y3,NPT3)
      CALL MOVABS(0,424)
      CALL ANMODE
       WRITE(6,150)
150    FORMAT('  KEY'////'   ROW 1 = DESCRIPTOR ID. NUMBER'/
      1 '   ROW 2 = USER SELECTED DESCRIPTOR VALUE'/
      2 '   ROW 3. = # OF CRISES THAT SATISIFY THE DESCRIPTORS')

       CALL MOVABS(0,200)
       CALL ANMODE
       WRITE(6,160)
      READ(5,170) IS
170    FORMAT(A1)
      CLOSE(UNIT=2,DISPOSE='SAVE')
      CLOSE(UNIT=3,DISPOSE='SAVE')
160    FORMAT(' PRESS [RETURN] TO CONTINUE')
      RETURN
      END




      SUBROUTINE FORMAT(IT,FORRAY)
      DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),
     1 ITM(7),IX(17),IUNS(16),IXX(18)
      REAL*8 FORRAY,FORTMP,IXX
      DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14,
```

```
      1 1,12,13,14/
        DATA FORTMP/'(',,'17I4',',' ',,'16I4',',,'2I3',',,'13I4',',,'6I3',',,'10I4',',,
      1 '10I3',',,'7I4',',,'14I3',',,'4I4',',,'18I3',',,')'/,
        DATA IXX/'34X',',,'32X',',,'30X',',,'28X',',,'26X',',,'24X',',,'22X',',,'20X',',,'18X',',,.
      1 '16X',',,'14X',',,'12X',',,'10X',',,'8X',',,'6X',',,'4X',',,'1X',',,')'/,
        IF(IT.GT.17) GOTO 53
        FORRAY(1)=FORTMP(IFOR(1,1))
        FORRAY(2) = IXX(IT)
        DO 1 I=3,5
          FORRAY(I) = FORTMP(IFOR((I-1),1))
    1   CONTINUE
        GOTO 83
   53   DO 2 I=1,4
          FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
    2   CONTINUE
        FORRAY(5) = IXX(18)
   83   RETURN
        END
```

```
       DIMENSION ICRYR(386),YCNT(31)
       OPEN(UNIT=1,NAME='/U1/JANICE/PRC/CRYR',TYPE='OLD')
         READ(1,99)ISUM
         DO 17 I=1,ISUM
          READ(1,99)ICRYR(I)
17       CONTINUE
99       FORMAT(I3)
       CLOSE(UNIT=1,DISPOSE='SAVE')
       ICATT = 0
       ICAT = 0
       YCNT(1)=30
       DO 3 I=49,78
          IF(ICRYR(ICATT+1).NE.I)GO TO 3
          DO 4 J=ICATT,ISUM
           IT=I-48
           IF(ICRYR(J).EQ.I)YCNT(IT+1)=YCNT(IT+1)+1.;ICAT=ICAT+1
4         CONTINUE
        ICATT=ICAT
3         CONTINUE

         CALL PLOT(YCNT)
         STOP
         END



       SUBROUTINE PLOT(Y)
       DIMENSION ISTR(49),ISTQ(4)
       DIMENSION X(4),Y(31)
       LOGICAL*1 IS
       INTEGER ACT
       DATA ISTR/78,85,77,66,69,82,32,79,70,32,67,82,73,83,69,83,32,84,72,65,84,
      132,83,65,84,73,83,73,70,89,32,84,72,69,32,68,69,83,67,82,73,80,84,
      1 79,82,32,83,69,84/

       DATA ISTQ/89,69,65,82/
       DATA X/-1.,30.,49.,1./
         TYPE 1001
1001     FORMAT(' !WOR 33 H !ERA W !GRAPHIC 1 35 !SHRINK !WOR K !MON K')
       CALL INITT(240)
       CALL BINITT
       CALL DLIMX(49.,78.)
       CALL DLIMY(0.,20.)
       CALL VBARST(10,6,4)
       CALL XFRM(3)
       CALL CHECK(X,Y)
       CALL DSPLAY(X,Y)
        CALL NOTATE(175,730,49,ISTR)
        CALL NOTATE(120,50,4,ISTQ)
        CALL ANMODE
        READ(5,100)IS
100      FORMAT(A1)
        RETURN
        END
```

85

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=8,NAME='/u1/janice/twosided/LSTPTS',TYPE='OLD',READONLY)
        READ(8,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
      1     ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
 213    FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=8,DISPOSE='SAVE')

 100    FORMAT(12F/12F/3I/3I/3I/2I)

        IF(TITLE(11).EQ.'C')IREC=17 ;CODE(1)='YE' ; CODE(2)='AR'
        IF(TITLE(11).NE.'C')IREC=15 ;CODE(1)='CO' ; CODE(2)='DE'


        CALL CLR ; CALL APOLY(TABX,TABY,12)
        CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
 101    FORMAT(' ID')

        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,151) (CODE(J1),J1=1,2)
 151    FORMAT(1X,2A2)

 102    FORMAT(1X,16A4)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
         WRITE(6,103) (TITLE(J),J=1,24)
 103    FORMAT(1X,30A1)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

        IF(IF.EQ.1)OPEN(UNIT=8,NAME='CRYR',TYPE='NEW')

        LINE=0
        DO 2 J=1,IDIM
         READ(UNIT'ID(J)) (ITEMDA(I),I=1,IREC)
         IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
      1     WRITE(8,150)IYEAR(2)
 150    FORMAT(4X,2I2)

        CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)J
 105    FORMAT(1X,I2)
        CALL MOVREL(MRX(2),0) ; CALL ANMODE ; WRITE(6,102)ITEMDA(2)
        CALL MOVREL(MRX(3),0) ; CALL ANMODE
        WRITE(6,102) (ITEMDA(I),I=3,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1),MRY(2)) ; CALL ANMODE
```

```
        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR

110     FORMAT(//// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)').
120     FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,12)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
         CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,151) (CODE(J1),J1=1,2)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
         WRITE(6,103) (TITLE(J1),J1=1,24)
         CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAX(3)) ; CALL ANMODE

        WRITE(6,130) ; READ(5,120)IS ; CALL CLR
130     FORMAT(//// PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=8,DISPOSE='SAVE')
        RETURN
        END
```

```
1       IMEN=MENU('LIST THE 386 PRC CRISES,
        1FIND CRISES WITH SELECTED CHARACTERISTICS,
        1DISPLAY CHARACTERISTICS FOR A SELECTED CRISIS,
        1HELP,
        1EXIT,
        1ASCEND TO CTO PROGRAM MENU>','PRC CRISIS MANAGEMENT DATA SYSTEM>')
          IF(IMEN.EQ.1)CALL LIST(1)
          IF(IMEN.EQ.2)CALL UEXECL('/U1/JANICE/PRC/PRCDES.OUT',0)
          IF(IMEN.EQ.3)CALL UEXECL('/U1/JANICE/PRC/PRCTAB.OUT',0)
          IF(IMEN.EQ.4)CALL LIST(2)
          IF(IMEN.EQ.5)CALL UEXECL('/U1/DEMO/6',0)
          IF(IMEN.EQ.6)CALL UEXECL('/U1/DEMO/PIE',0)

        GOTO 1
        STOP
        END
          SUBROUTINE LIST(ITT)
          DIMENSION IX(72)
          LOGICAL*1 IS
          CALL CLR
          WRITE(6,100)
          LINE = 1
100       FORMAT(' THE 386 PRC CRISES ARE:',/)
          GOTO ITT
1         OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRC386',TYPE='OLD',READONLY)
2         OPEN(UNIT=1,NAME='/U1/JANICE/PRCHELP',TYPE='OLD',READONLY)
          DO 7 I=1,386
          READ(1,111)IX(1),(IX(J),J=2,IX(1)+1)
             WRITE(6,110)I,(IX(J),J=2,IX(1)+1)
110       FORMAT(1X,I3,'.',1X,70A1)
111       FORMAT(B,70A1)
             LINE = LINE + 1
             IF(LINE .LT. 26) GOTO 7
        WRITE(6,1411)
1411    FORMAT(/,' PRESS [RETURN] TO CONTINUE')
             READ(5,200) IS
200       FORMAT(A1)
             CALL CLR
             WRITE(6,100)
             LINE=1
7         CONTINUE
          RETURN
          END
        SUBROUTINE CLR
          TYPE 101
101       FORMAT(' !ERA W')
          I=27
          J=12
        WRITE(6,1) I,J
    1   FORMAT(1H ,2A1)
        RETURN
        END
```

```
        DIMENSION DESMAT(166,80),ILINE(25),IBOUND(48)
       1 ,IDSVEC(24),IDNOS(386),TMP(80)
        INTEGER DESMAT,TMP
        DATA ILINE/1,6,11,18,28,39,44,54,58,63,68,74,82,90,98,106,114,
       1 119,126,133,140,144,152,159,166/

        DATA IBOUND/49,78,49,78,0,5,0,8,0,9,0,3,0,8,0,2,0,3,0,3,0,4,0,6,0,6,
       1 0,6,0,6,0,6,0,3,0,5,0,5,0,5,0,2,0,6,0,5,0,5/

        OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRCODEBK',TYPE='OLD',READONLY)
        DO 1 I=1,166
          READ(1,114) DESMAT(I,1),(DESMAT(I,J),J=2,DESMAT(I,1)+1)
114     FORMAT(Q,76A1)
1       CONTINUE
        CLOSE(UNIT=1,DISPOSE='SAVE')



        WRITE(6,102)
71      WRITE(6,100)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.EQ.'H')CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,105)IS;CALL CLR;
       1GOTO 71
        IF(IS .EQ. 'N') GOTO 99
        CALL CLR
        WRITE(6,155)
        DO 67 I=1,165
        WRITE(6,113) (DESMAT(I,J),J=2,DESMAT(I,1)+1)
        LINE=LINE+1
        IF(LINE.NE.22.AND.LINE.NE.45.AND.LINE.NE.68.AND.LINE.NE.93.AND.
       1 LINE.NE.119) GOTO 67
        WRITE(6,130) ; READ(5,105) IS ; CALL CLR
        WRITE(6,155)
67      CONTINUE
99      WRITE(6,130) ; READ(5,105) IS ; CALL CLR ; WRITE(6,102)
        LINE = 5; IPOINT = 1
10      DO 2 I=IPOINT,24
        IT = I
20        DO 3 J=ILINE(IT),ILINE(IT+1)-1
            WRITE(6,113) (DESMAT(J,N),N=2,DESMAT(J,1)+1)
          LINE = LINE + 1
3       CONTINUE

        WRITE(6,115)
        READ(5,120) IDSVEC(IT)
        IF(IDSVEC(IT).EQ.0.AND.I.EQ.1)IDSVEC(IT)=49
        IF(IDSVEC(IT).EQ.0.AND.I.EQ.2)IDSVEC(IT)=78
        IF(IDSVEC(IT).LT.IBOUND((IT*2)-1).OR.IDSVEC(IT).GT.IBOUND(IT*2))
       1WRITE(6,125);WRITE(6,130);READ(5,105) IS ; CALL CLR;  LINE = 1 ;
       2GOTO 20
        WRITE(6,130);READ(5,105) IS ; CALL CLR
        IF(ITT.GT.IT) IT=ITT
          WRITE(6,116);READ(5,105)ISK;IF(ISK.EQ.'N')GOTO 13
          CALL CLR
```

```
        CALL TABLE(IDSVEC,IT,IDNOS)
.13     IFLAG = 0
        CALL CLR
        WRITE(6,135)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 13
        IF(IS.EQ.'H'.AND.IFLAG.EQ.1)CALL CLR$WRITE(6,185)$WRITE(6,130)$
       1READ(5,105)IS $ CALL CLR $ GOTO 13
        IF(IS.EQ.'H')CALL CLR$ WRITE(6,190)$WRITE(6,130)$READ(5,105)IS$
       1CALL CLR$ GOTO 13
        IF(IS.EQ.'Y') GOTO 37
23      WRITE(6,140)
        WRITE(6,175)
        READ(5,105) IS
        IF(IS.NE.'Y'.AND.IS.NE.'N'.AND.IS.NE.'H') GOTO 23
        IF(IS.EQ.'H')CALL CLR$WRITE(6,195)$WRITE(6,130)$
       1READ(5,105)IS$CALL CLR$ GOTO 23
        IF(IS.EQ.'Y') GOTO 2
        CALL CLR $ LINE = 2
29      WRITE(6,170)
27      DO 17 I=1,24
          IF(IDSVEC(I).EQ.0) GOTO 17
          IF(I.LE.2) WRITE(6,113) (DESMAT(ILINE(I)+1,J),J=2,DESMAT(ILINE(I)+1,1)+1)
       1   $WRITE(6,112)IDSVEC(I)$ GO TO 17
          WRITE(6,113) (DESMAT(ILINE(I)+1,J),J=2,DESMAT(ILINE(I)+1,1)+1)
          WRITE(6,117) (DESMAT(ILINE(I)+1+IDSVEC(I),J),J=2,DESMAT(ILINE(I)+1
       1   +IDSVEC(I),1)-12)
          LINE = LINE+3
          IF(LINE.LE.26) GOTO 17
          WRITE(6,130)$READ(5,105) IS $ CALL CLR $ LINE=3
          WRITE(6,170)
17      CONTINUE
        WRITE(6,130) $ READ(5,105) IS
        IF(IFLAG.EQ.1) GOTO 13
        IFLAG=0 $ CALL LIST(IDNOS,IFLAG)
        IF(IFLAG.EQ.1) GOTO 29
        WRITE(6,200)$READ(5,120) ITP$WRITE(6,130)$READ(5,105) IS$CALL CLR
        IF(ITR.EQ.1) CALL VEXECL('/U1/JANICE/PRC/CROSS.OUT',0)
        CALL VEXECL('/U1/JANICE/PRC/PRCMAIN.OUT',0)
37      WRITE(6,145)
        READ(5,120) IPOINT $ ITT=IT $ GO TO 10
2       CONTINUE

C  FORMAT STATEMENTS
C
100     FORMAT(' DO YOU WANT TO SEE A LIST OF THE DESCRIPTORS?')
102     FORMAT(' YOU WILL NOW SELECT DESCRIPTOR VALUES ONE AT A TIME.'/
       1' AFTER EACH SELECTION YOU WILL BE SHOWN HOW MANY CRISES'/
       2' FIT YOUR SET OF DESCRIPTORS'/)
105     FORMAT(A1)
112     FORMAT(5X,' THE YEAR SELECTED IS:',3X,'19',I2//)
113     FORMAT(1X,70A1)
117     FORMAT(5X,70A1/)
116     FORMAT(' DO YOU WANT TO SEE THE CONDITIONAL FREQUENCY TABLE AT THIS'/
```

90

```
      1 ' POINT IN THE ANALYSIS? ANSWER "Y" FOR YES, "N" FOR NO')
115   FORMAT(// ENTER THE VALUE OF THE DESCRIPTOR.'/)
120   FORMAT(I2)

125   FORMAT(// DESCRIPTOR VALUE IS OUTSIDE BOUNDS OF THE DESCRIPTOR')
130   FORMAT(// PRESS [RETURN] TO CONTINUE')
135   FORMAT(' IF YOU WANT TO CHANGE THE VALUE OF ANY DESCRIPTORS, OR//
      1' SPECIFY THE VALUE OF A DESCRIPTOR THAT OCCURS FURTHER ON IN//
      2' THE LIST TYPE "Y"')
140   FORMAT(// DO YOU WANT TO SPECIFY THE VALUE OF ANY MORE DESCRIPTORS?')
145   FORMAT(// ENTER THE ID. NO. OF THE DESCRIPTOR YOU WANT TO SPECIFY')
150   FORMAT(1X,22I2)
155   FORMAT(' THE CRISIS DESCRIPTORS ARE:')
170   FORMAT(' YOU HAVE SELECTED THE FOLLOWING DESCRIPTORS:'/)
175   FORMAT(' ANSWER ("Y" FOR YES, "N" FOR NO, OR "H" FOR HELP)')

180   FORMAT( ' IN THE FIRST STEP IN THE ANALYSIS YOU WILL BE ASKED TO CREATE A'
     /
      !' SET OF CRISIS DESCRIPTORS THAT WILL BE USED TO SPECIFY TYPES OF/
      !' CRISES. YOU WILL THEN BE SHOWN THE CRISES THAT ARE HISTOR-//
      !' ICALLY ASSOCIATED WITH YOUR CRISIS TYPE. IN ORDER TO SELECT A//
      !' DESCRIPTOR SET A COPY OF THE DESCRIPTORS WILL BE VERY USEFUL.'/
      !' TO OBTAIN THIS COPY ANSWER "Y" TO THE NEXT QUESTION AND HIT THE//
      !' [MAKE COPY] KEY EACH TIME THE SCREEN IS FULL.'/)

190   FORMAT(' YOU HAVE JUST SEEN THE CONDITIONAL FREQUENCY TABLE. YOU CAN NOW/
      !' CHANGE THIS TABLE BY ANSWERING "Y" TO THIS QUESTION. YOU WILL//
      !' THEN BE ASKED TO ENTER THE ID. NUMBER OF THE DESCRIPTOR YOU//
      !' WANT TO RESPECIFY. NOTE THAT IT IS VALID TO ENTER THE ID.'/
      !' NUMBER OF A DESCRIPTOR THAT HAS NOT AS YET BEEN SPECIFIED.'/)

185   FORMAT(' YOU HAVE JUST SEEN THE LIST OF DESCRIPTORS THAT YOU HAVE//
      !' SPECIFIED. YOU CAN NOW MODIFY THIS LIST BY ANSWERING "Y" TO//
      !' THIS QUESTION AND ENTERING THE ID. NUMBER OF THE DESCRIPTOR YOU//
      !' WANT TO CHANGE IN RESPONSE TO THE NEXT QUESTION.'/)

195   FORMAT(' IF YOU ANSWER "Y" TO THIS QUESTION YOU WILL BE ASKED TO SPECIFY//
      !' THE NEXT DESCRIPTOR IN THE DESCRIPTOR LIST. IF YOU ANSWER "N"//
      !' YOU WILL PROCEED WITH THE ANALYSIS.'/)

200      FORMAT(// DO YOU WANT TO SEE A PLOT OF THE # OF CRISES PER YEAR//
      1 ' THAT SATISIFIED THE DESCRIPTOR SET?'//
      3'    TYPE "1" TO PROCEED.'/
      4'    TYPE "2" TO RETURN TO THE PROGRAM SELECTION SECTION.'/)
      STOP
      END




      SUBROUTINE TABLE(IDSVEC,IT,IDNOS)
```

```
       DIMENSION IDSVEC(IT),IDNOS(386),IVALUE(386,24),INCRS(24),INUM(24),
      1 IPOINT(101)
       DIMENSION FORRAY(5),FOR26(6),FOR27(5)
       DIMENSION IDCRS(24),IVAL(24)
       REAL*8 FORRAY
       INTEGER*4 FOR26,FOR27
       IF(ITEST.EQ.1)GOTO 15
       OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRCDATA',TYPE='OLD',READONLY)
       DO 31 I=1,386
         READ(1,113) (IVALUE(I,J),J=1,23)
113      FORMAT(I2,12X,I1,1X,I1,3X,8(1X,I1),1X,4I1,8(1X,I1))
31     CONTINUE
       CLOSE(UNIT=1,DISPOSE='SAVE')
       ITEST=1
15     DO 69 I=1,386
         IDNOS(I) = 1
69     CONTINUE
       DO 47 J1 = 1,IT
         INCRS(J1) = 0
         INUM(J1) = J1
47     CONTINUE
       DO 5 I=1,386
         IF(IDSVEC(1).EQ. 0) GOTO 10
         IF(IVALUE(I,1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10       INCRS(1) =INCRS(1)+1
20       IF(IT.EQ.1) GOTO 5
         IF(IDSVEC(2).EQ.0) GOTO 30
         IF(IVALUE(I,1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30       INCRS(2) = INCRS(2)+1
40       IF(IT.EQ.2)GOTO 5
         DO 7 J=3,IT
           IF(IDSVEC(J).EQ.0) GOTO 50
           IF(IDSVEC(J).NE.IVALUE(I,J-1)) IDNOS(I) = 0 ; GOTO 5
50         INCRS(J) = INCRS(J) + 1
7        CONTINUE
5      CONTINUE
       ITMP=0
       DO 13 I=1,IT
         IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
           INUM(I-ITMP)=I
           IVAL(I-ITMP)=IDSVEC(I)
           IDCRS(I-ITMP)=INCRS(I)

13     CONTINUE
       ITT=IT-ITMP
       CALL FORMAT(ITT,FORRAY,FOR26,FOR27)
76       WRITE(6,110)
       IF(IT .EQ.1) WRITE(6,111)
       WRITE(6,FOR26)
       WRITE(6,FORRAY) (INUM(I),I=1,ITT)
       WRITE(6,FOR27)
       WRITE(6,FOR26)
       WRITE(6,FORRAY) (IVAL(I),I=1,ITT)
       WRITE(6,FOR27)
       WRITE(6,FOR26)
       WRITE(6,FORRAY) (IDCRS(I),I=1,ITT)
```

```
      WRITE(6,FOR27)
      WRITE(6,150)
      WRITE(6,160)
      READ(5,170) IS
110   FORMAT(/22X/ CONDITIONAL FREQUENCY TABLE//
      123X,/---------------------------//)
111   FORMAT(/ THE FOLLOWING TABLE SHOWS THE NUMBER OF CRISES THAT SATISIFY THE/
      /
      3/ SET OF DESCRIPTORS THAT THE USER HAS SPECIFIED AT THIS POINT IN//
      4/ THE ANALYSIS///)
150   FORMAT(/// KEY/// ---//// ROW 1 = DESCRIPTOR ID. NUMBER//
      1 / ROW 2 = USER SELECTED DESCRIPTOR VALUE//
      2 / ROW 3 = # OF CRISES THAT SATISIFY THE DESCRIPTORS/)
120   FORMAT(17I4)
160   FORMAT(// PRESS [RETURN] TO CONTINUE/)
170   FORMAT(A1)
      RETURN
      END
      SUBROUTINE FORMAT(IT,FORRAY,FOR26,FOR27)
      DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),FOR26(5),
      1 FOR27(5),ITM(7),IX(17),IUNS(16),IXX(18)
      REAL*8 FORRAY,FORTMP,IXX
      INTEGER*4 FOR27,ITM,IX,FOR26,IUNS
      DATA ITM/'H_',')))',/68(1',/70(1',/1X,',/(',/H-'/
      DATA IUNS/' 4(1',' 8(1',/12(1',/16(1',/20(1',/24(1',/28(1',
      1/32(1',/36(1'
      1,/40(1',/44(1',/48(1',/52(1',/56(1',/60(1',/64(1'/
      DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14,
      1 1,12,13,14/
      DATA FORTMP/'(',/17I4,','  ',/16I4,',/2I3,',/13I4,',/6I3,',/10I4,',
      1 /10I3,',/7I4,',/14I3,',/4I4,',/18I3,',/)'/
      DATA IX/'34X,',/32X,',/30X,',/28X,',/26X,',/24X,',/22X,',
      1 /20X,',/18X,',
      1 /16X,',/14X,',/12X,',/10X,',/8X,',/6X,',/4X,',/2X,'/
      DATA IXX/'34X,',/32X,',/30X,',/28X,',/26X,',/24X,',/22X,',/20X,',/18X,',
      1 /16X,',/14X,',/12X,',/10X,',/8X,',/6X,',/4X,',/1X,',/)'/
      IF(IT.GT.17) GOTO 53
      FORRAY(1)=FORTMP(IFOR(1,1))
      FORRAY(2) = IXX(IT)
      DO 1 I=3,5
        FORRAY(I) = FORTMP(IFOR((I-1),1))
1     CONTINUE
      GOTO 63
53    DO 2 I=1,4
        FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
2     CONTINUE
      FORRAY(5) = IXX(18)
63    FOR26(1)=ITM(6)
      IF(IT.GT.16) GOTO 133
      FOR26(2) = IX(IT)
      FOR26(3) = IUNS(IT)
      FOR26(4) = ITM(1)
      FOR26(5) = ITM(2)
      GOTO 194
133   IF(IT.GT.17) GOTO 134
      FOR26(2) = ITM(5)
      FOR26(3) = ITM(3)
```

```
        FOR26(4) = ITM(1)
        FOR26(5) = ITM(2)
        GOTO 194
134     FOR26(2) = ITM(5)
        FOR26(3) = ITM(4)
        FOR26(4) = ITM(1)
        FOR26(5) = ITM(2)
194     DO 89 I=1,3
          FOR27(I) = FOR26(I)
89      CONTINUE
        FOR27(4) = ITM(7)
        FOR27(5) = ITM(2)
        RETURN
        END
        SUBROUTINE LIST(IDNOS,IFLAG)
        DIMENSION TMP(70),IDNOS(386),ICRYR(386)
        INTEGER TMP
        LOGICAL*1 IS
        CALL CLR
        LINE = 2
        OPEN(UNIT=1,NAME='/U1/JANICE/PRC/PRC386',TYPE='OLD',READONLY)
        WRITE(6,110)
        DO 1 I=1,386
          READ(1,100) NCRS,(TMP(IT),IT=1,NCRS)
          IF(IDNOS(I)) 1,1,2
2         WRITE(6,120) I,(TMP(IT),IT=1,NCRS)
          LINE=LINE+1
          IF(LINE.LE.26) GOTO 1
          WRITE(6,130);READ(5,140)IS;CALL CLR; LINE=2
          WRITE(6,110)
1       CONTINUE
        REWIND 1
        ISUM=0
        IT=0
        DO 5 I=1,386
            READ(1,101) IAS
            IF(IDNOS(I))6,6,7
7           ICRYR(I-IT)=IAS
            ISUM=ISUM+1
            GO TO 5
6           IT=IT+1
5       CONTINUE
        CLOSE(UNIT=1,DISPOSE='SAVE')
        OPEN(UNIT=1,NAME='/U1/JANICE/PRC/CRYR',TYPE='NEW')
        WRITE(1,99)ISUM
        DO 13 I=1,ISUM
          WRITE(1,99)ICRYR(I)
13      CONTINUE
99      FORMAT(1X,I3)
        CLOSE(UNIT=1,DISPOSE='SAVE')
3       WRITE(6,150);WRITE(6,160);READ(5,170)IFLAG
        IF(IFLAG.EQ.3)CALL CLR;WRITE(6,180);WRITE(6,130);READ(5,140)IS;
     1CALL CLR; GOTO 3

        IF(LINE.NE.2) WRITE(6,130);READ(5,140)IS;CALL CLR
C
```

```
c
c      FORMAT STATEMENTS
c
c
100    FORMAT(R,70A1)
101    FORMAT(2x,I2,70x)
110    FORMAT(' THE CRISES THAT SATISIFY THE SET OF ACTIONS ARE:'/)
120    FORMAT(I4,'.',2x,70A1)
130    FORMAT(// PRESS [RETURN] TO CONTINUE')
140    FORMAT(A1)
150    FORMAT(// IF YOU ARE NOT SATISIFIED WITH THE SET OF CRISES TYPE "1"//
      1' AND YOU WILL BE RETURNED TO THE ACTION SPECIFICATION SECTION.')
160    FORMAT(// ANSWER "1" TO RETURN, "2" TO CONTINUE, "3" FOR HELP.')
170    FORMAT(I1)
180    FORMAT(// IF FOR SOME REASON YOU ARE NOT SATISIFIED WITH THE CRISES'/
      1' THAT YOUR ACTION SET DESCRIBES, YOU CAN RETURN TO THE ACTION'/
      2' SPECIFICATION SECTION. THERE YOU WILL BE ABLE TO MODIFY THE SET'/
      3' THAT YOU HAVE CREATED. OTHERWISE YOU WILL BE SENT TO THE '/
      4' PROGRAM SELECTION SECTION.')

       RETURN
       END




       SUBROUTINE CLR
       TYPE 101
101    FORMAT(' !ERA W')
       I=27
       J=12
       WRITE(6,1) I,J
     1 FORMAT(1H ,2A1)
       RETURN
       END
```

```
      SUBROUTINE TABLE(IDSVEC,IT,IDNOS)
      IMPLICIT REAL*4 (X,Y)
      DIMENSION IDSVEC(IT),IDNOS(101),IVALUE(22),INCRS(22),INUM(22),
     1 IPOINT(101)
      DIMENSION X(30),Y(30),X1(5),Y1(5),X2(5),Y2(5),X3(5),Y3(5)
      DIMENSION LS(11),IP(22)
      DIMENSION FORRAY(5)
      DIMENSION IDCRS(22),IVAL(22)
      REAL*8 FORRAY
      INTEGER*4 LS
      EQUIVALENCE (LS(1),IP(1))
      OPEN(UNIT=2,NAME='/U1/JANICE/USANL/FTABDA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=30,READONLY)
      OPEN(UNIT=3,NAME='/U1/JANICE/D1/US101DA',TYPE='OLD',ACCESS='DIRECT',
     1 RECORDSIZE=11,READONLY)
      DO 69 I=1,101
        IDNOS(I) = 1
69    CONTINUE
      DO 47 J1 = 1,IT
        INCRS(J1) = 0
        INUM(J1) = J1
47    CONTINUE
      DO 5 I=1,101
        READ(3'I) (LS(J),J=1,11)
        DECODE(44,100,IP) IVALUE
100   FORMAT(22I2)
      IF(IDSVEC(1).EQ. 0) GOTO 10
      IF(IVALUE(1).LT.IDSVEC(1))IDNOS(I)=0 ; GOTO 5
10    INCRS(1) =INCRS(1)+1
20    IF(IT.EQ.1) GOTO 5
      IF(IDSVEC(2).EQ.0) GOTO 30
      IF(IVALUE(1).GT. IDSVEC(2)) IDNOS(I)=0 ; GOTO 5
30    INCRS(2) = INCRS(2)+1
40    IF(IT.EQ.2)GOTO 5
      DO 7 J=3,IT
        IF(IDSVEC(J).EQ.0) GOTO 50
        IF(IDSVEC(J).NE.IVALUE(J-1)) IDNOS(I) = 0 ; GOTO 5
50      INCRS(J) = INCRS(J) + 1
7       CONTINUE
5     CONTINUE
      ITMP=0
      DO 13 I=1,IT
        IF(IDSVEC(I).EQ.0)ITMP=ITMP+1 ; GOTO 13
        INUM(I-ITMP)=I
        IVAL(I-ITMP)=IDSVEC(I)
        IDCRS(I-ITMP)=INCRS(I)

13    CONTINUE
      ITT=IT-ITMP
      READ(2'1)XPT1
      NPT1=XPT1

      READ(2'2) (X1(J),J=1,NPT1)
      READ(2'3) (Y1(J),J=1,NPT1)
      READ(2'4)XPT2
      NPT2=XPT2
```

```
      READ(2'5) (x2(J),J=1,NPT2)
      READ(2'6) (Y2(J),J=1,NPT2)
      READ(2'7) XPT3
      NPT3=XPT3
      READ(2'8) (X3(J),J=1,NPT3)
      READ(2'9) (Y3(J),J=1,NPT3)
        READ(2'(ITT*3+7)) XPTS
        NPTS=XPTS
        READ(2'(ITT*3+8)) (X(J),J=1,NPTS)
        READ(2'(ITT*3+9)) (Y(J),J=1,NPTS)


      CALL INITT(120)
      CALL APOLY(X1,Y1,NPT1)
      CALL MOVABS(0,781)
      CALL ANMODE
      WRITE(6,112)
112   FORMAT(23X,'CONDITIONAL FREQUENCY TABLE')
      CALL APOLY(X,Y,NPTS)
      CALL ANMODE
      CALL FORMAT(ITT,FORRAY)
      CALL MOVABS(0,687) ; CALL ANMODE
        WRITE(6,FORRAY) (INUM(I),I=1,ITT)
      CALL MOVABS(0,654) ; CALL ANMODE
        WRITE(6,FORRAY) (IVAL(I),I=1,ITT)
      CALL MOVABS(0,621) ; CALL ANMODE
        WRITE(6,FORRAY) (IDCRS(I),I=1,ITT)
      CALL APOLY(X2,Y2,NPT2)
      CALL ANMODE
      CALL APOLY(X3,Y3,NPT3)
      CALL MOVABS(0,424)
      CALL ANMODE
       WRITE(6,150)
150   FORMAT('  KEY'////'   ROW 1 = DESCRIPTOR ID. NUMBER'/
     1 '   ROW 2 = USER SELECTED DESCRIPTOR VALUE'/
     2 '   ROW 3 = # OF CRISES THAT SATISIFY THE DESCRIPTORS')

      CALL MOVABS(0,200)
      CALL ANMODE
      WRITE(6,160)
      READ(5,170) IS
170   FORMAT(A1)
      CLOSE(UNIT=2,DISPOSE='SAVE')
      CLOSE(UNIT=3,DISPOSE='SAVE')
160   FORMAT(' PRESS [RETURN] TO CONTINUE')
      RETURN
      END



      SUBROUTINE FORMAT(IT,FORRAY)
      DIMENSION FORRAY(5),FORTMP(14),IFOR(4,6),
     1 ITM(7),IX(17),IUNS(16),IXX(18)
      REAL*8 FORRAY,FORTMP,IXX
      DATA IFOR/1,2,3,14,1,4,5,14,1,6,7,14,1,8,9,14,1,10,11,14,
```

97

```
      1 1,12,13,14/
       DATA FORTMP/'(',''17I4','',' ',''16I4','','2I3','','13I4','','6I3','','10I4','',
      1 '10I3','','7I4','','14I3','','4I4','','18I3','',')'/
       DATA IXX/'34X','','32X','','30X','','28X','','26X','','24X','','22X','','20X','','18X','',
      1 '16X','','14X','','12X','','10X','','8X','','6X','','4X','','1X','',')'/
       IF(IT.GT.17) GOTO 53
       FORRAY(1)=FORTMP(IFOR(1,1))
       FORRAY(2) = IXX(IT)
       DO 1 I=3,5
         FORRAY(I) = FORTMP(IFOR((I-1),1))
1     CONTINUE
      GOTO 83
53    DO 2 I=1,4
         FORRAY(I) = FORTMP(IFOR(I,(IT-16)))
2     CONTINUE
      FORRAY(5) = IXX(18)
83    RETURN
      END
```

```
         DIMENSION ICRYR(386),YCNT(31)
         OPEN(UNIT=1,NAME='/U1/JANICE/PRC/CRYR',TYPE='OLD')
           READ(1,99)ISUM
           DO 17 I=1,ISUM
           READ(1,99)ICRYR(I)
17       CONTINUE
99       FORMAT(I3)
         CLOSE(UNIT=1,DISPOSE='SAVE')
         ICATT = 0
         ICAT = 0
         YCNT(1)=30
         DO 3 I=49,78
           IF(ICRYR(ICATT+1).NE.I)GO TO 3
           DO 4 J=ICATT,ISUM
             IT=I-48
             IF(ICRYR(J).EQ.I)YCNT(IT+1)=YCNT(IT+1)+1.,ICAT=ICAT+1
4        CONTINUE
         ICATT=ICAT
3        CONTINUE

          CALL PLOT(YCNT)
          STOP
          END



         SUBROUTINE PLOT(Y)
         DIMENSION ISTR(49),ISTQ(4)
         DIMENSION X(4),Y(31)
         LOGICAL*1 IS
         INTEGER ACT
         DATA ISTR/78,85,77,66,69,82,32,79,70,32,67,82,73,83,69,83,32,84,72,65,84,
        132,83,65,84,73,83,73,70,89,32,84,72,69,32,68,69,83,67,82,73,80,84,
        1 79,82,32,83,69,84/

         DATA ISTQ/89,69,65,82/
         DATA X/-1.,30.,49.,1./
           TYPE 1001
1001       FORMAT(' !WOR 33 H !ERA W !GRAPHIC 1 35 !SHRINK !WOP K !MON K')
         CALL INITT(240)
         CALL BINITT
         CALL DLIMX(49.,78.)
         CALL DLIMY(0.,20.)
         CALL VBARST(10,6,4)
         CALL XFRM(3)
         CALL CHECK(X,Y)
         CALL DSPLAY(X,Y)
          CALL NOTATE(175,730,49,ISTR)
          CALL NOTATE(120,50,4,ISTQ)
          CALL ANMODE
          READ(5,100)IS
100       FORMAT(A1)
          RETURN
          END
```

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=8,NAME='/U1/JANICE/TWOSIDED/LSTPTS',TYPE='OLD',READONLY)
        READ(8,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
       1   ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
   213  FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=8,DISPOSE='SAVE')

   100  FORMAT(12F/12F/3I/3I/3I/2I)

        IF(TITLE(11).EQ.'C')IREC=17 ;CODE(1)='YE' ; CODE(2)='AR'
        IF(TITLE(11).NE.'C')IREC=15 ;CODE(1)='CO' ; CODE(2)='DE'


        CALL CLR ; CALL APOLY(TABX,TABY,12)
        CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
        WRITE(6,101)
   101  FORMAT(' ID')

        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
        WRITE(6,151) (CODE(J1),J1=1,2)
   151  FORMAT(1X,2A2)

   102  FORMAT(1X,16A4)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
        WRITE(6,103) (TITLE(J),J=1,24)
   103  FORMAT(1X,30A1)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

        IF(IF.EQ.1)OPEN(UNIT=8,NAME='CRYR',TYPE='NEW')

        LINE=0
        DO 2 J=1,IDIM
          READ(UNIT'ID(J)) (ITEMDA(I),I=1,IREC)
          IF(IF.EQ.1)DECODE(4,150,ITEMDA) IYEAR ;
       1    WRITE(8,150) IYEAR(2)
   150  FORMAT(4X,2I2)

        CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)J
   105  FORMAT(1X,I2)
        CALL MOVREL(MRX(2),0) ; CALL ANMODE ; WRITE(6,102)ITEMDA(2)
        CALL MOVREL(MRX(3),0) ; CALL ANMODE
        WRITE(6,102) (ITEMDA(I),I=3,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1),MRY(2)) ; CALL ANMODE
```

```
        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
        LINE=0
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR

110     FORMAT(//// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)')
120     FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

        CALL APOLY(TABX,TABY,12)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
        WRITE(6,101)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
        WRITE(6,151) (CODE(J1),J1=1,2)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
        WRITE(6,103) (TITLE(J1),J1=1,24)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAY(3)) ; CALL ANMODE

        WRITE(6,130) ; READ(5,120) IS ; CALL CLR
130     FORMAT(/// PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=8,DISPOSE='SAVE')
        RETURN
        END
```

101

```
        DIMENSION CR(20),INFG(6),ITH(40,5),IPT(2,100),IMPACT(15,5),IOUT(25,7).
        DIMENSION ID(100),GOAL(20),TITLE(46)
         DIMENSION TABX(7),TABY(7)
        DIMENSION T1(24),T2(24)
        DIMENSION NCH(100)
         DIMENSION MX(3),MY(3)
        BYTE T1,T2

        INTEGER*4 CR,TITLE,GOAL,INFG $ LOGICAL*1 IS,ITH,IMPACT,IOUT
        CALL GETBAUD

        CALL SETOTS(9,64,190,64)

        OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/TMPTIT',TYPE='OLD',READONLY)
        READ(1,270)T1,T2
270     FORMAT(24A1)
        CLOSE(UNIT=1,DISPOSE='SAVE')
        OPEN(UNIT=1,NAME='/U1/JANICE/OUTUS-STRING',TYPE='OLD',READONLY)

          READ(1,100)IPT
          READ(1,110)ITH
          READ(1,120)IMPACT
          READ(1,130)IOUT

100     FORMAT(2I)
110     FORMAT(40A1)
120     FORMAT(15A1)
130     FORMAT(25A1)

        CLOSE(UNIT=1,DISPOSE='SAVE')
        OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTTABPTS',TYPE='OLD',READONLY)
        READ(1,260)TABX,TABY,MX,MY
260     FORMAT(7F/7F/3I/3I)
        CLOSE(UNIT=1,DISPOSE='SAVE')
        NPTS=7

C          DIRECT ACCESS FILES       UNIT=1 ASSIGNED TO CRISIS NAMES FOR WHICH
C                                            THERE EXISTS OUTCOMES DATA
C                                    UNIT=2 ASSIGNED TO GOAL NAMES
C                                    UNIT=3 ASSIGNED TO CRISIS BY GOAL INFORMATION
C

        OPEN(UNIT=1,NAME='/U1/JANICE/CRUSOUTDA',ACCESS='DIRECT',
       1 RECORDSIZE=20,TYPE='OLD',READONLY)

        OPEN(UNIT=2,NAME='/U1/JANICE/GOALUSDA',ACCESS='DIRECT',
       1 RECORDSIZE=20,TYPE='OLD',READONLY)

        OPEN(UNIT=3,NAME='/U1/JANICE/OUTCOMESUSDA',ACCESS='DIRECT'
       1 ,RECORDSIZE=6,TYPE='OLD',READONLY)

        OPEN(UNIT=8,NAME='/U1/JANICE/OUTCOMES/TITLESDA',TYPE='OLD',READONLY,
       1 ACCESS='DIRECT',RECORDSIZE=46)

7       OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/OUTUSMENU',TYPE='OLD',READONLY)
        CALL CLR
```

```
        CALL DWINDO(0.,130.,0.,100.)
        READ(9,300)ABX,ABY
300     FORMAT(2F)
        CALL MOVEA(ABX,ABY) ; CALL ANMODE
        WRITE(6,310)
310     FORMAT(' U.S. OUTCOMES MODULE')
        READ(9,300)ABX,ABY
        CALL DRAWA(ABX,ABY) ; CALL ANMODE

        CALL MENU(9,NCH,N1,N2)
        IFF=NCH(1)
        CLOSE(UNIT=9,DISPOSE='SAVE')
        CALL DWINDO(0.,1024.,0.,780.)

        IF(IFF.EQ.1)CALL LOAD(1,100,ID) ; CALL LIST(1,ID,100,0,T2) ;
      1 GOTO 7

        IF(IFF.EQ.2)CALL LOAD(1,54,ID) ; CALL LIST(2,ID,54,0,T1) ;
      1 GOTO 7

        IF(IFF.EQ.4)CALL CLR;CALL SELECT(IPT,3,2,1,T1,T2) ; GOTO 7

C       IF(IFF.EQ.5) CALL UEXECL('MAINMENU')
C
        CALL CLR
1       WRITE(6,140) ; READ(5,150)IDCR
        IF(IDCR.GT.100)CALL CLR;CALL LOAD(1,100,ID);CALL LIST(1,ID,100,0,T2);
      1 GOTO 1
        CALL CLR


        READ(1'IDCR) (CR(I),I=1,20)
        CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
        WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

        IT1=IPT(1,IDCR)
        IF(IT1.EQ.0)WRITE(6,170) ; CALL CLR ; GOTO 1

        CALL APOLY(TABX,TABY,NPTS)

        NUMGOL=0

        CALL MOVABS(MX(2),MY(2)) ; CALL ANMODE
        DO 2 J=1,IT1
        READ(3'IPT(2,IDCR)+J) (INFG(I),I=1,6)

        READ(2'INFG(1)) (GOAL(I),I=1,20)
        READ(8'1) (TITLE(I),I=1,46)
        WRITE(6,175) (TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,180) (GOAL(I),I=2,(GOAL(1)/4+2))

        READ(8'2) (TITLE(I),I=1,46)
        WRITE(6,195) (TITLE(I),I=2,(TITLE(1)/4+2))
        WRITE(6,200) (ITH(I,INFG(2)),I=1,40)

        READ(8'3) (TITLE(I),I=1,46)
```

```
          WRITE(6,190) (TITLE(I),I=2,(TITLE(1)/4+2))

          READ(8'4) (TITLE(I),I=1,46)
          WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,210) (IMPACT(I,INFG(3)),I=1,15),(IOUT(I,INFG(5)),I=1,25)
          READ(8'5) (TITLE(I),I=1,46)
          WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
          WRITE(6,210) (IMPACT(I,INFG(4)),I=1,15),(IOUT(I,INFG(6)),I=1,25)

          NUMGOL=NUMGOL+1
      IF(NUMGOL.NE.3.AND.NUMGOL.NE.6.AND.NUMGOL.NE.9.AND.NUMGOL.NE.12.AND.NUMGOL
.NE.15)
     1 GOTO 2
      CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
          WRITE(6,230);READ(5,240) IS;CALL CLR ;
     IF(J.EQ.IT1)GOTO 99
      CALL APOLY(TABX,TABY,NPTS) ; CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
          WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

2        CONTINUE
         CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
          WRITE(6,230);READ(5,240) IS;CALL CLR

99      WRITE(6,250) ; READ(5,240) IS
        IF(IS.EQ.'Y') GOTO 1

        GOTO 7

C FORMAT STATEMENTS

140     FORMAT(' INPUT THE ID NUMBER OF THE CRISIS(1-100). ENTER "999" TO SEE A '
     1 ' LIST OF THE CRISES')
150     FORMAT(I)
160     FORMAT(20A4)
170     FORMAT(' NO OUTCOMES FOR THIS CRISIS')
175     FORMAT(/2X,5A4)
180     FORMAT(2X,20A4)
190     FORMAT(/2X,46A4)
195     FORMAT(2X,12A4$)
200     FORMAT(2X,40A1)
205     FORMAT(2X,9A4,$)
210     FORMAT(12X,15A1,5X,25A1)
230     FORMAT(// PRESS [RETURN] TO CONTINUE')
240     FORMAT(A1)
250     FORMAT(' DO YOU WANT TO SEE THE OUTCOMES FOR ANOTHER CRISIS?'/
     1 ' ANSWER "Y" FOR YES, "N" FOR NO')

        STOP
        END
```

```
      SUBROUTINE SELECT(IPT,IU,NU,NCU,T1,T2)

      DIMENSION T1(24),T2(24)
      DIMENSION IS(10)
      DIMENSION IDD(54),IPT(2,100),ID(100)
      DIMENSION ITEM(20)

      INTEGER*4 ITEM,IN
      LOGICAL*1 T1,T2
1     DO 7 J1=1,10
        IS(J1)=0
7     CONTINUE
      INUM=0
      WRITE(6,101) ; READ(5,102,ERR=1)IG
       IF(IG.GT.54)CALL LOAD(1,54,IDD);CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
     1 GOTO 1
        INUM=INUM+1
        IS(INUM)=IG

      CALL LOAD(1,100,ID)
2     NUM=0

      DO 3 IL=1,100

        IR=IPT(1,IL) ; IBS=IPT(2,IL)

        DO 5 JL=1,IR
          READ(IU'IBS+JL)IN
          IF(IN.EQ.IG.AND.ID(IL).NE.0)NUM=NUM+1 ; GOTO 3
5       CONTINUE

        ID(IL)=0
3     CONTINUE

      WRITE(6,103)NUM ; IF(NUM.EQ.0)CALL CLR ; GOTO 1
11    WRITE(6,104);READ(5,102,ERR=11)IA

      IF(IA.EQ.3)CALL CLR ; GOTO 1
       IF(IA.EQ.2)GOTO 19
23     CALL CLR ; WRITE(6,101) ; READ(5,102,ERR=23)IG
       IF(IG.GT.54)CALL LOAD(1,54,IDD) ; CALL CLR ; CALL LIST(NU,IDD,54,0,T1)
     1 GOTO 23
        INUM=INUM+1 ; IS(INUM)=IG

        GOTO 2
19    CALL CLR
      WRITE(6,105)
      DO 13 JL=1,INUM
        READ(NU'IS(JL))(ITEM(I),I=1,20)
        WRITE(6,106)(ITEM(I),I=2,(ITEM(1)/4+2))
13    CONTINUE
      WRITE(6,107) ; READ(5,108)II

107   FORMAT(//' PRESS [RETURN] TO CONTINUE')
108   FORMAT(A1)
```

```
106    FORMAT(/1X,20A4)
105    FORMAT(// ' YOU HAVE SELECTED THE FOLLOWING GOAL(S);')

       NUM1=0
       CALL LOADA(ID,100,NUM1)
       IF(NUM.NE.NUM1)WRITE(6,199)
199    FORMAT(' NUM IS NOT EQUAL TO NUM1')
       IF(NUM.EQ.0)CALL CLR $ GOTO 1
       CALL LIST(NCU,ID,NUM1,0,T2)

101    FORMAT(// ' ENTER A GOAL ID. TYPE "999" TO SEE A LIST OF THE GOALS')
102    FORMAT(I)
103    FORMAT(// ' THE NUMBER OF CRISES THAT SATISIFIED THE GOAL(S) ARE',I)

104    FORMAT(// ' TYPE 1 TO SPECIFY ANOTHER GOAL.'/
      1' TYPE 2 TO SEE THE LIST OF CRISES THAT SATISIFIED THE GOAL(S).'/
      1' TYPE 3 TO RESTART THE SELECTION PROCESS.')

       RETURN
       END
```

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/LSTPTS',TYPE='OLD',READONLY)
        READ(9,100)(TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
      1     ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
213     FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(12F/12F/3I/3I/3I/2I)


        IREC=20

         CALL CLR ; CALL APOLY(TABX,TABY,10)
         CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
101     FORMAT(' ID')


102     FORMAT(1X,19A4)
        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,103)(TITLE(J),J=1,24)
103     FORMAT(1X,30A1)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

         IF(IF.EQ.1)OPEN(UNIT=9,NAME='CRYR',TYPE='NEW')  .

        LINE = 0
        DO 2 J=1,IDIM
          READ(UNIT'ID(J))(ITEMDA(I),I=1,IREC)
          IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
      1     WRITE(8,150)IYEAR(2)
150     FORMAT(4X,2I2)

         CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)ID(J)
105     FORMAT(1X,I3)
        CALL MOVREL(MAY(2),0) ; CALL ANMODE
         WRITE(6,102)(ITEMDA(I),I=2,(ITEMDA(1)/4+2))
        CALL MOVREL(MAY(1)+70,MAY(2)) ; CALL ANMODE

        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        CALL MOVABS(0,100) ; CALL ANMODE
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR
```

```
110     FORMAT(// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)')
120       FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,10)

        CALL MOVABS(MAX(1),MAY(1))  ; CALL ANMODE
          WRITE(6,101)
        CALL MOVABS(MAX(2),MAY(2))  ; CALL ANMODE
          WRITE(6,103)(TITLE(J1),J1=1,24)
          CALL MOVABS(0,MAY(1)-35)  ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAX(3))   ; CALL ANMODE

        WRITE(6,130) ; READ(5,120)IS ; CALL CLR
130     FORMAT(//// PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=9,DISPOSE='SAVE')
        RETURN
        END
```

```
      SUBROUTINE LOADA(ID,IDIM,NUM)

      DIMENSION ID(1)

      NUM=0
      IT=0

      DO 1 I=1,IDIM
        IL=I-IT
        IF(ID(IL).NE.0)NUM=NUM+1 $ GOTO 1
        DO 2 IP=IL,IDIM-1
          ID(IP)=ID(IP+1)
2       CONTINUE
        IT=IT+1

1       CONTINUE
        RETURN
        END
```

```
       SUBROUTINE LOAD(IM,IMX,ID)
       DIMENSION ID(1)

       DO 1 I=IM,IMX
         ID(I)=I
1      CONTINUE
       RETURN
       END
```

```
      DIMENSION CR(20),INFG(6),ITH(40,5),IPT(2,100),IMPACT(15,5),IOUT(25,7)
      DIMENSION ID(100),GOAL(20),TITLE(46)
       DIMENSION TABX(7),TABY(7)
      DIMENSION T1(24),T2(24)
      DIMENSION NCH(100)
       DIMENSION MX(3),MY(3)
      BYTE T1,T2

      INTEGER*4 CR,TITLE,GOAL,INFG ; LOGICAL*1 IS,ITH,IMPACT,IOUT
      CALL GETBAUD

      CALL SETOTS(9,64,190,64)

      OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/TMPTIT',TYPE='OLD',READONLY)
      READ(1,270)T1,T2
270   FORMAT(24A1)
      CLOSE(UNIT=1,DISPOSE='SAVE')
      OPEN(UNIT=1,NAME='/U1/JANICE/OUTUS-STRING',TYPE='OLD',READONLY)

        READ(1,100)IPT
        READ(1,110)ITH
        READ(1,120)IMPACT
        READ(1,130)IOUT

100   FORMAT(2I)
110   FORMAT(40A1)
120   FORMAT(15A1)
130   FORMAT(25A1)

      CLOSE(UNIT=1,DISPOSE='SAVE')
      OPEN(UNIT=1,NAME='/U1/JANICE/OUTCOMES/OUTTABPTS',TYPE='OLD',READONLY)
      READ(1,260)TABX,TABY,MX,MY
260   FORMAT(7F/7F/3I/3I)
      CLOSE(UNIT=1,DISPOSE='SAVE')
      NPTS=7

C          DIRECT ACCESS FILES     UNIT=1 ASSIGNED TO CRISIS NAMES FOR WHICH
C                                          THERE EXISTS OUTCOMES DATA
C                                   UNIT=2 ASSIGNED TO GOAL NAMES
C                                   UNIT=3 ASSIGNED TO CRISIS BY GOAL INFORMATION
C

      OPEN(UNIT=1,NAME='/U1/JANICE/CRUSOUTDA',ACCESS='DIRECT',
     1 RECORDSIZE=20,TYPE='OLD',READONLY)

      OPEN(UNIT=2,NAME='/U1/JANICE/GOALUSDA',ACCESS='DIRECT',
     1 RECORDSIZE=20,TYPE='OLD',READONLY)

      OPEN(UNIT=3,NAME='/U1/JANICE/OUTCOMESUSDA',ACCESS='DIRECT'
     1 ,RECORDSIZE=6,TYPE='OLD',READONLY)

      OPEN(UNIT=8,NAME='/U1/JANICE/OUTCOMES/TITLESDA',TYPE='OLD',READONLY,
     1 ACCESS='DIRECT',RECORDSIZE=46)

7      OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/OUTUSMENU',TYPE='OLD',READONLY)
      CALL CLR
```

```
      CALL DWINDO(0.,130.,0.,100.)
      READ(9,300)ABX,ABY
300   FORMAT(2F)
      CALL MOVEA(ABX,ABY) ; CALL ANMODE
      WRITE(6,310)
310   FORMAT(' U.S. OUTCOMES MODULE')
      READ(9,300)ABX,ABY
      CALL DRAWA(ABX,ABY) ; CALL ANMODE

      CALL MENU(9,NCH,N1,N2)
      IFF=NCH(1)
      CLOSE(UNIT=9,DISPOSE='SAVE')
      CALL DWINDO(0.,1024.,0.,780.)

      IF(IFF.EQ.1)CALL LOAD(1,100,ID) ; CALL LIST(1,ID,100,0,T2) ;
     1 GOTO 7

      IF(IFF.EQ.2)CALL LOAD(1,54,ID) ; CALL LIST(2,ID,54,0,T1) ;
     1 GOTO 7

      IF(IFF.EQ.4)CALL CLR;CALL SELECT(IPT,3,2,1,T1,T2) ; GOTO 7

C     IF(IFF.EQ.5) CALL UEXECL('MAINMENU')
C
      CALL CLR
1     WRITE(6,140) ; READ(5,150)IDCR
      IF(IDCR.GT.100)CALL CLR;CALL LOAD(1,100,ID);CALL LIST(1,ID,100,0,T2);
     1 GOTO 1
      CALL CLR


      READ(1'IDCR) (CR(I),I=1,20)
      CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
      WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

      IT1=IPT(1,IDCR)
      IF(IT1.EQ.0)WRITE(6,170) ; CALL CLR ; GOTO 1

      CALL APOLY(TABX,TABY,NPTS)

      NUMGOL=0

      CALL MOVABS(MX(2),MY(2)) ; CALL ANMODE
      DO 2 J=1,IT1
         READ(3'IPT(2,IDCR)+J) (INFG(I),I=1,6)

      READ(2'INFG(1)) (GOAL(I),I=1,20)
      READ(8'1) (TITLE(I),I=1,46)
      WRITE(6,175) (TITLE(I),I=2,(TITLE(1)/4+2))
      WRITE(6,180) (GOAL(I),I=2,(GOAL(1)/4+2))

      READ(8'2) (TITLE(I),I=1,46)
      WRITE(6,195) (TITLE(I),I=2,(TITLE(1)/4+2))
      WRITE(6,200) (ITH(I,INFG(2)),I=1,40)

      READ(8'3) (TITLE(I),I=1,46)
```

```
            WRITE(6,190) (TITLE(I),I=2,(TITLE(1)/4+2))

            READ(8'4) (TITLE(I),I=1,46)
            WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
            WRITE(6,210) (IMPACT(I,INFG(3)),I=1,15),(IOUT(I,INFG(5)),I=1,25)
            READ(8'5) (TITLE(I),I=1,46)
            WRITE(6,205) (TITLE(I),I=2,(TITLE(1)/4+2))
            WRITE(6,210) (IMPACT(I,INFG(4)),I=1,15),(IOUT(I,INFG(6)),I=1,25)

            NUMGOL=NUMGOL+1
        IF(NUMGOL.NE.3.AND.NUMGOL.NE.6.AND.NUMGOL.NE.9.AND.NUMGOL.NE.12.AND.NUMGOL
.NE.15)
      1 GOTO 2
        CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
            WRITE(6,230);READ(5,240) IS;CALL CLR ;
        IF(J.EQ.IT1)GOTO 99
        CALL APOLY(TABX,TABY,NPTS) ; CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
            WRITE(6,160) (CR(I),I=2,(CR(1)/4+2))

2       CONTINUE
        CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
            WRITE(6,230);READ(5,240) IS;CALL CLR

99      WRITE(6,250) ; READ(5,240) IS
        IF(IS.EQ.'Y') GOTO 1

        GOTO 7

C FORMAT STATEMENTS

140     FORMAT(' INPUT THE ID NUMBER OF THE CRISIS(1-100). ENTER "999" TO SEE A '/
      1 ' LIST OF THE CRISES')
150     FORMAT(I)
160     FORMAT(20A4)
170     FORMAT(' NO OUTCOMES FOR THIS CRISIS')
175     FORMAT(/2X,5A4)
180     FORMAT(2X,20A4)
190     FORMAT(/2X,46A4)
195     FORMAT(2X,12A4$)
200     FORMAT(2X,40A1)
205     FORMAT(2X,9A4,$)
210     FORMAT(12X,15A1,5X,25A1)
230     FORMAT(// PRESS [RETURN] TO CONTINUE')
240     FORMAT(A1)
250     FORMAT(' DO YOU WANT TO SEE THE OUTCOMES FOR ANOTHER CRISIS?'/
      1 ' ANSWER "Y" FOR YES, "N" FOR NO')

        STOP
        END
```

113

```
      SUBROUTINE SELECT(IPT,IU,NU,NCU,T1,T2)

      DIMENSION T1(24),T2(24)
      DIMENSION IS(10)
      DIMENSION IDD(54),IPT(2,100),ID(100)
      DIMENSION ITEM(20)

      INTEGER*4 ITEM,IN
      LOGICAL*1 T1,T2

1     DO 7 J1=1,10
        IS(J1)=0
7     CONTINUE
      INUM=0
      WRITE(6,101) ; READ(5,102,ERR=1)IG
      IF(IG.GT.54)CALL LOAD(1,54,IDD);CALL CLR ; CALL LIST(NU,IDD,54,0,T1);
    1 GOTO 1
        INUM=INUM+1
        IS(INUM)=IG

      CALL LOAD(1,100,ID)
2     NUM=0

      DO 3 IL=1,100

        IR=IPT(1,IL) ; IBS=IPT(2,IL)

        DO 5 JL=1,IR
          READ(IU'IBS+JL)IN
          IF(IN.EQ.IG.AND.ID(IL).NE.0)NUM=NUM+1 ; GOTO 3
5       CONTINUE

        ID(IL)=0
3     CONTINUE

      WRITE(6,103)NUM ; IF(NUM.EQ.0)CALL CLR ; GOTO 1
11    WRITE(6,104);READ(5,102,ERR=11)IA

      IF(IA.EQ.3)CALL CLR ; GOTO 1
        IF(IA.EQ.2)GOTO 19
23      CALL CLR ; WRITE(6,101) ; READ(5,102,ERR=23)IG
        IF(IG.GT.54)CALL LOAD(1,54,IDD) ; CALL CLR ; CALL LIST(NU,IDD,54,0,T1)
      1 GOTO 23
        INUM=INUM+1 ; IS(INUM)=IG

        GOTO 2
19      CALL CLR
      WRITE(6,105)
      DO 13 JL=1,INUM
        READ(NU'IS(JL))(ITEM(I),I=1,20)
        WRITE(6,106)(ITEM(I),I=2,(ITEM(1)/4+2))
13    CONTINUE
      WRITE(6,107) ; READ(5,108)II

107   FORMAT(// PRESS [RETURN] TO CONTINUE')
108   FORMAT(A1)
```

114

```
106    FORMAT(/1x,20A4)
105    FORMAT(// YOU HAVE SELECTED THE FOLLOWING GOAL(S):')

       NUM1=0
       CALL LOADA(ID,100,NUM1)
       IF(NUM.NE.NUM1)WRITE(6,199)
199    FORMAT(' NUM IS NOT EQUAL TO NUM1')
       IF(NUM.EQ.0)CALL CLR $ GOTO 1
       CALL LIST(NCU,ID,NUM1,0,T2)

101    FORMAT(// ENTER A GOAL ID. TYPE "999" TO SEE A LIST OF THE GOALS')
102    FORMAT(I)
103    FORMAT(// THE NUMBER OF CRISES THAT SATISIFIED THE GOAL(S) ARE',I)

104    FORMAT(// TYPE 1 TO SPECIFY ANOTHER GOAL.'/
      1' TYPE 2 TO SEE THE LIST OF CRISES THAT SATISIFIED THE GOAL(S).'/
      1' TYPE 3 TO RESTART THE SELECTION PROCESS.')

       RETURN
       END
```

115

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=9,NAME='/U1/JANICE/OUTCOMES/LSTPTS',TYPE='OLD',READONLY)
        READ(9,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
     1      ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
?13     FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(12F/12F/3I/3I/3I/2I)


        IREC=20

         CALL CLR.$ CALL APOLY(TABX,TABY,10)
         CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) $ CALL ANMODE
         WRITE(6,101)
101     FORMAT(' ID')


102     FORMAT(1X,19A4)
        CALL MOVABS(MAX(2),MAY(2)) $ CALL ANMODE
         WRITE(6,103) (TITLE(J),J=1,24)
103     FORMAT(1X,30A1)
         CALL MOVABS(0,MAY(1)-35) $ CALL ANMODE

         IF(IF.EQ.1)OPEN(UNIT=9,NAME='CRYR',TYPE='NEW')

        LINE = 0
        DO 2 J=1,IDIM
          READ(UNIT'ID(J)) (ITEMDA(I),I=1,IREC)
          IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR $
     1      WRITE(8,150) IYEAR(2)
150     FORMAT(4X,2I2)

         CALL MOVREL(MRX(1),0) $ CALL ANMODE $ WRITE(6,105)ID(J)
105     FORMAT(1X,I3)
        CALL MOVREL(MRY(2),0) $ CALL ANMODE
        WRITE(6,102) (ITEMDA(I),I=2,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1)+70,MAY(2)) $ CALL ANMODE

        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        CALL MOVABS(0,100) $ CALL ANMODE
        WRITE(6,110) $ READ(5,120) IS $ CALL CLR
```

116

```
110     FORMAT(// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)')
120      FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,10)

        CALL MOVABS(MAX(1),MAY(1))  ; CALL ANMODE
         WRITE(6,101)
        CALL MOVABS(MAX(2),MAY(2))  ; CALL ANMODE
         WRITE(6,103)(TITLE(J1),J1=1,24)
         CALL MOVABS(0,MAY(1)-35)  ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAX(3))   ; CALL ANMODE

        WRITE(6,130)  ; READ(5,120)IS  ; CALL CLR
130     FORMAT(//// PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=9,DISPOSE='SAVE')
        RETURN
        END
```

117

```
      SUBROUTINE LOADA(ID,IDIM,NUM)

      DIMENSION ID(1)

      NUM=0
      IT=0

      DO 1 I=1,IDIM
        IL=I-IT
        IF(ID(IL).NE.0)NUM=NUM+1 ; GOTO 1
        DO 2 IP=IL,IDIM-1
          ID(IP)=ID(IP+1)
2       CONTINUE
        IT=IT+1

1       CONTINUE
        RETURN
        END
```

118

```
      SUBROUTINE LOAD(IM,IMX,ID)
      DIMENSION ID(1)

      DO 1 I=IM,IMX
        ID(I)=I
1     CONTINUE
      RETURN
      END
```

```
      DIMENSION ITEMCD(100),ITEMDA(25),CRI(17),CHAR(78,50),TITLE(20,24)
      DIMENSION IDA(91,3),TABX(16),TABY(16),MX(35),MY(35)
      DIMENSION T1(24),T2(24),T3(24),T4(24)
      DIMENSION ITEM(100)
      DIMENSION ICHOIC(50)

      INTEGER*4 ITEMDA,CRI
      INTEGER*2 IDA
      LOGICAL*1 IS,ITEMCD,TITLE,CHAR,T1,T2,T3,T4

      EQUIVALENCE (ITEMCD(1),ITEMDA(1))

      CALL SETOTS(9,64,200,64)
      CALL GETBAUD
      CALL CLR

      OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/TITLES',TYPE='OLD',READONLY)
      READ(1,100) (T1(J),J=1,24)
      READ(1,100) (T2(J),J=1,24)
      READ(1,100) (T3(J),J=1,24)
      READ(1,100) (T4(J),J=1,24)
      DO 1 I=5,20
         READ(1,100) (TITLE(I,J),J=1,24)
100   FORMAT(50A1)
1     CONTINUE

      DO 2 I=1,78
         READ(1,100) (CHAR(I,J),J=1,50)
2     CONTINUE
      CLOSE(UNIT=1,DISPOSE='SAVE')
```

```
C
C     READ IN GRAPHICS POINTS FOR TABLE AND POSITIONING
C

      OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/CHARPTS',TYPE='OLD',READONLY)
         READ(1,140) (TABX(I),I=1,15),(TABY(I),I=1,15),(MX(I),I=1,35),
     1     (MY(I),I=1,35)

140   FORMAT(15F/15F/2(3(10I/)5I/))
      CLOSE(UNIT=1,DISPOSE='SAVE')
C
C     MAIN FUNCTION MENU FOR TWOSIDED AID
C     1 => LIST CRISES       5=> LIST CHARACTERISTICS AND ITEMS
C     2 => LIST ACTIONS      6=> SELECT ITEMS FIND CRISES
C     3 => LIST OBJECTIVES   7=> HELP SECTION
```

120

```
c    4 => LIST PROBLEMS      8=> RETURN TO MAIN MENU
c

27    OPEN(UNIT=1,NAME='FUNCTPTS',TYPE='OLD',READONLY)

7     READ(1,133)ABX,ABY
      CALL TWINDO(0,1024,0,780)
      CALL DWINDO(0.,130.,0.,100.)
199   FORMAT(1X,2I)
      CALL MOVEA(ABX,ABY) ; CALL ANMODE
      WRITE(6,134)
      READ(1,133)ABX,ABY
      CALL DRAWA(ABX,ABY) ; CALL ANMODE
      CALL MENU(1,ICHOIC,NL,NP)
      IFF=ICHOIC(1)
      CALL DWINDO(0.,1024.,0.,780.)
133   FORMAT(2F)
134   FORMAT(' TWO SIDED AID FUNCTION MENU')
      IF(IFF.EQ.1)
2OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/SOVUSCRDA',ACCESS='DIRECT',
1 RECORDSIZE=17,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,90);CALL LIST(2,IDA,90,0,T1) ; REWIND 1 ;
1  CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7


      IF(IFF.EQ.2)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDACTDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,72);CALL LIST(2,IDA,72,0,T2) ; REWIND 1 ;
1  CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7


      IF(IFF.EQ.3)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDOBJDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,60);CALL LIST(2,IDA,60,0,T3) ; REWIND 1 ;
1 CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7


      IF(IFF.EQ.4)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDPREDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE') ;
1CALL LOAD(IDA,91);CALL LIST(2,IDA,91,0,T4) ; REWIND 1 ;
1 CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7

      IF(IFF.EQ.5)CLOSE(UNIT=1,DISPOSE='SAVE')
3     OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/CHARDA',ACCESS='DIRECT',
1 RECORDSIZE=5,READONLY,TYPE='OLD')

      OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/SOVUSCRDA',ACCESS='DIRECT',
1 RECORDSIZE=17,READONLY,TYPE='OLD')
      CALL CLR
77    WRITE(6,110);READ(5,120)ID
      ISAVE=ID
120   FORMAT(I)
110   FORMAT(' ENTER A CRISIS I.D. NUMBER(1,90). TYPE "999" TO SEE A'/
1 ' LIST OF THE CRISES.')
```

121

```
      IF(ID.GT.90)CALL LOAD(IDA,90) ; CALL LIST(1,IDA,90,0,T1) ;
     1 GOTO 77
      CALL CLR
      CALL DWINDO(0.,1024.,0.,780.)

      CALL APOLY(TABX,TABY,15)
      CALL ANMODE
      READ(1'ID) (CRI(I),I=1,17)
      READ(2'ID) (ITEMDA(I),I=1,5)
      DECODE(18,180,ITEMDA) (ITEMCD(I),I=1,18)
180   FORMAT(18I1)
      CLOSE(UNIT=2,DISPOSE='SAVE')

      CALL MOVABS(MX(1),MY(1)) ; CALL ANMODE
        WRITE(6,150) (CRI(I),I=2,(CRI(1)/4+2))
150   FORMAT(1X,16A4)

      CALL MOVABS(MX(2),MY(2)) ; CALL ANMODE
        WRITE(6,170) (TITLE(5,J),J=1,8)
      CALL MOVABS(MX(3),MY(3)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(1),J),J=1,50)
      CALL MOVABS(MX(4),MY(4)) ; CALL ANMODE
        WRITE(6,170) (TITLE(6,J),J=1,5)
      CALL MOVABS(MX(5),MY(5)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(2)+10,J),J=1,13)
      CALL MOVABS(MX(6),MY(6)) ; CALL ANMODE
        WRITE(6,170) (TITLE(7,J),J=1,9)
      CALL MOVABS(MX(7),MY(7)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(3)+12,J),J=1,23)
      CALL MOVABS(MX(8),MY(8)) ; CALL ANMODE
        WRITE(6,170) (TITLE(8,J),J=1,9)
      CALL MOVABS(MX(9),MY(9)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(4)+16,J),J=1,27)
      CALL MOVABS(MX(10),MY(10)) ; CALL ANMODE
        WRITE(6,170) (TITLE(9,J),J=1,4)
      CALL MOVABS(MX(11),MY(11)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(5)+20,J),J=1,33)
      CALL MOVABS(MX(12),MY(12)) ; CALL ANMODE
        WRITE(6,170) (TITLE(10,J),J=1,14)
      CALL MOVABS(MX(13),MY(13)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(6)+30,J),J=1,18)
      CALL MOVABS(MX(14),MY(14)) ; CALL ANMODE
        WRITE(6,170) (TITLE(11,J),J=1,9)
      CALL MOVABS(MX(15),MY(15)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(7)+32,J),J=1,9)
      CALL MOVABS(MX(16),MY(16)) ; CALL ANMODE
        WRITE(6,170) (TITLE(12,J),J=1,4)
      CALL MOVABS(MX(17),MY(17)) ; CALL ANMODE
        WRITE(6,170) (TITLE(13,J),J=1,4)
      CALL MOVABS(MX(18),MY(13)) ; CALL ANMODE
        WRITE(6,170) (TITLE(14,J),J=1,6)
      CALL MOVABS(MX(19),MY(19)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(8)+35,J),J=1,21)
      CALL MOVABS(MX(20),MY(20)) ; CALL ANMODE
        WRITE(6,170) (CHAR(ITEMCD(9)+38,J),J=1,21)
```

```
            CALL MOVABS(MX(21),MY(21)) ; CALL ANMODE
              WRITE(6,170) (TITLE(15,J),J=1,8)
            CALL MOVABS(MX(22),MY(22)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(10)+41,J),J=1,20)
            CALL MOVABS(MX(23),MY(23)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(11)+44,J),J=1,23)
            CALL MOVABS(MX(24),MY(24)) ; CALL ANMODE
              WRITE(6,170) (TITLE(16,J),J=1,10)
            CALL MOVABS(MX(25),MY(25)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(12)+48,J),J=1,24)
            CALL MOVABS(MX(26),MY(26)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(13)+51,J),J=1,24)
            CALL MOVABS(MX(27),MY(27)) ; CALL ANMODE
              WRITE(6,170) (TITLE(17,J),J=1,8)
            CALL MOVABS(MX(28),MY(28)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(14)+57,J),J=1,24)
            CALL MOVABS(MX(29),MY(29)) ; CALL ANMODE
              WRITE(6,170) (TITLE(18,J),J=1,18)
            CALL MOVABS(MX(30),MY(30)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(15)+62,J),J=1,24)
            CALL MOVABS(MX(31),MY(31)) ; CALL ANMODE
              WRITE(6,170) (TITLE(19,J),J=1,24)
            CALL MOVABS(MX(32),MY(32)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(16)+65,J),J=1,22)
            CALL MOVABS(MX(33),MY(33)) ; CALL ANMODE
              WRITE(6,170) (TITLE(20,J),J=1,7)
            CALL MOVABS(MX(34),MY(34)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(17)+70,J),J=1,8)
            CALL MOVABS(MX(35),MY(35)) ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(18)+73,J),J=1,11)

170     FORMAT(1X,50A1)

11      WRITE(6,160) ; READ(5,100,ERR=11) IA
        CALL CLR
160     FORMAT(///// PRESS [RETURN] TO CONTINUE')

        OPEN(UNIT=2,NAME='MENUPTS',TYPE='OLD',READONLY)
13      CALL DWINDO(0.,130.,0.,100.)
        READ(2,133)ABX,ABY
        CALL MOVEA(ABX,ABY) ; CALL ANMODE
        WRITE(6,135)
135     FORMAT(' TWO SIDED AID LIST OPTIONS')
        READ(2,133)ABX,ABY
        CALL DRAWA(ABX,ABY) ; CALL ANMODE
        CALL MENU(2,ICHOIC,NL,NP)
        IFF=ICHOIC(1)

        GOTO (200,300,400,500)IFF

200     OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/ACTDA',ACCESS='DIRECT',
      1 RECORDSIZE=19,READONLY,TYPE='OLD')
        OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDACTDA',ACCESS='DIRECT',
      1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
        READ(3'ISAVE) (ITEMDA(I),I=1,19)
        DECODE(73,210,ITEMDA) (ITEM(I),I=1,73)
```

123

```
210    FORMAT(3x,73I1)

       CALL CLR
       IL=0
       CALL LOADA(IDA,72,ITEM,IL,INUM)
         IF(IL.EQ.0)WRITE(6,220) ; READ(5,100)IS ; CALL CLR ;
      1    GOTO 213

       ID=ISAVE
192    FORMAT(1x,I)
         CALL LIST2S(4,IDA,INUM,1,ID,T2)
213      REWIND 2 ; CLOSE(UNIT=3,DISPOSE='SAVE') ; CLOSE(UNIT=4,DISPOSE='SAVE');
      1 GOTO 13

220    FORMAT(// ' NO ACTIONS FOR THIS CASE. PRESS [RETURN] TO CONTINUE')

300    OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/OBJDA',ACCESS='DIRECT',
      1 RECORDSIZE=16,READONLY,TYPE='OLD')
       OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDOBJDA',ACCESS='DIRECT',
      1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
       READ(3'ISAVE) (ITEMDA(I),I=1,16)
       DECODE(61,310,ITEMDA) (ITEM(I),I=1,61)
310    FORMAT(3x,61I1)

       CALL CLR
       IL=0
       CALL LOADA(IDA,60,ITEM,IL,INUM)
        IF(IL.EQ.0)WRITE(6,320);READ(5,100)IS;CALL CLR  ; GOTO 313

       ID = ISAVE
       CALL LIST2S(4,IDA,INUM,1,ID,T3)
313    REWIND 2 ;CLOSE(UNIT=4,DISPOSE='SAVE');CLOSE(UNIT=3,DISPOSE='SAVE');
      1 GOTO 13

320    FORMAT(/// ' NO OBJECTIVES FOR THIS CASE. PRESS [RETURN] TO CONTINUE.')

400    OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/PRBDA',ACCESS='DIRECT',
      1 RECORDSIZE=24,READONLY,TYPE='OLD')
       OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDPRBDA',ACCESS='DIRECT',
      1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
       READ(3'ISAVE) (ITEMDA(I),I=1,24)
       DECODE(92,410,ITEMDA) (ITEM(I),I=1,92)
410    FORMAT(3x,92I1)
C      WRITE(6,191) (ITEM(I),I=1,20)
191    FORMAT(1x,20I2)

       CALL CLR
       IL=0
       CALL LOADA(IDA,91,ITEM,IL,INUM)
C      WRITE(6,191) INUM
C      DO 198 I=1,INUM
C        WRITE(6,123) (IDA(I,J),J=1,3)
123    FORMAT(1x,I4,2A4)
C198    CONTINUE
       IF(IL.EQ.0) WRITE(6,420);READ(5,100)IS;CALL CLR  ;
      1 GOTO 413
```

```
          ID=ISAVE
          CALL LIST2S(4,IDA,INUM,1,ID,T4)
413       REWIND 2 ;CLOSE(UNIT=3,DISPOSE='SAVE'); CLOSE(UNIT=4,DISPOSE='SAVE')
          1 ;GOTO 13

420       FORMAT(/// NO PROBLEMS FOR THIS CASE. PRESS [RETURN] TO CONTINUE.')

500       CLOSE(UNIT=2,DISPOSE='SAVE') ; CLOSE(UNIT=1,DISPOSE='SAVE')
          CALL CLR ; GOTO 27
          STOP
          END
```

```
        SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

        DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
        DIMENSION MRX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
        DIMENSION CODE(2),TITLE(30)

        INTEGER*4 ITEMDA
        INTEGER*2 ID,IYEAR,UNIT,CODE
        INTEGER DIM
        BYTE TITLE

        EQUIVALENCE (ITEMDA(2),IYEAR(1))
        OPEN(UNIT=8,NAME='/U1/JANICE/TWOSIDED/LSTPTS',TYPE='OLD',READONLY)
        READ(8,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
       1   ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
213     FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
        CLOSE(UNIT=8,DISPOSE='SAVE')

100     FORMAT(12F/12F/3I/3I/3I/2I)

        IF(TITLE(11).EQ.'C')IREC=17 ;CODE(1)='YE' ; CODE(2)='AR'
        IF(TITLE(11).NE.'C')IREC=15 ;CODE(1)='CO' ; CODE(2)='DE'


        CALL CLR ; CALL APOLY(TABX,TABY,12)
        CALL ANMODE
        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
        WRITE(6,101)
101     FORMAT(' ID')

        CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
        WRITE(6,151) (CODE(J1),J1=1,2)
151     FORMAT(1X,2A2)

102     FORMAT(1X,16A4)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
        WRITE(6,103) (TITLE(J),J=1,24)
103     FORMAT(1X,30A1)
        CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

        IF(IF.EQ.1)OPEN(UNIT=8,NAME='CRYR',TYPE='NEW')

        LINE=0
        DO 2 J=1,IDIM
          READ(UNIT'ID(J)) (ITEMDA(I),I=1,IREC)
          IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
       1     WRITE(8,150)IYEAR(2)
150     FORMAT(4X,2I2)

        CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)J
105     FORMAT(1X,I2)
        CALL MOVREL(MRX(2),0) ; CALL ANMODE ; WRITE(6,102)ITEMDA(2)
        CALL MOVREL(MRX(3),0) ; CALL ANMODE
        WRITE(6,102) (ITEMDA(I),I=3,(ITEMDA(1)/4+2))
        CALL MOVREL(MRY(1),MRY(2)) ; CALL ANMODE
```

126

```
        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR

110     FORMAT(//// DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO)')
120      FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,12)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
         CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,151) (CODE(J1),J1=1,2)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
         WRITE(6,103) (TITLE(J1),J1=1,24)
         CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAX(3)) ; CALL ANMODE

        WRITE(6,130) ; READ(5,120)IS ; CALL CLR
130     FORMAT(//// PRESS [RETURN] TO CONTINUE')

97      IF(IF.EQ.1)CLOSE(UNIT=8,DISPOSE='SAVE')
        RETURN
        END
```

127

```
        SUBROUTINE LIST2S(U1,IDA,IL,U2,ID,TITLE)
C  U1 ASSIGNED TO THE UNIT OF DIRECT ACCESS FILE TO BE PRINTED
C  IDA(IL,3)
C        IDA(IL,1)=ID'S OF RECORDS IN U1 TO BE PRINTED
C        IDA(IL,2)=U.S. CODES FOR ITEMS IN U1
C        IDA(IL,3)=USSR CODES FOR ITEMS IN U1
C   IL=NUMBER OF ITEMS IN IDA
C   U2 ASSIGNED TO HEADER DIRECT ACCESS FILE
C   TITLE = 30 CHARACTER STRING EXPLAINING ITEM TYPE
C
        DIMENSION ITEM(20),CRI(20),TITLE(24),IDA(91,3)
        DIMENSION TABX(18),TABY(18),PHEADX(7),PHEADY(7),RMX(6)
        DIMENSION IBEG(10),IEND(10)

        INTEGER*4 ITEM,CRI
        INTEGER RMY,PHEADX,PHEADY,RMX,U1,U2,PL
        LOGICAL*1 IS,TITLE

        CALL DWINDO(0.,1024.,0.,780.)
C  READ IN GRAPHICS POINTS
        OPEN(UNIT=9,NAME='/U1/JANICE/TWOSIDED/2SIDTABPTS',TYPE='OLD',READONLY)
        READ(9,100) TABX,TABY,PHEADX,PHEADY,RMX,RMY
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(10F/8F/10F/8F/7I/7I/6I/I)

C   SET PARAMETERS FOR PRINTING LOOP

        IF(IL.LE.22)LOOP=1
        IF(IL.GT.22.AND.IL.LE.44)LOOP=2
        IF(IL.GT.44.AND.IL.LE.66)LOOP=3
        IF(IL.GT.66.AND.IL.LE.88)LOOP=4
        IF(IL.GT.88.AND.IL.LE.110)LOOP=5

        IBEG(1)=1 ; IEND(1)=MIN0(IL,22)
        IF(LOOP.LE.1)GOTO 3

        DO 2 I=2,LOOP
          IBEG(I)=IEND(I-1)+1
          IEND(I)=MIN0(IL-IEND(I-1),22)+IBEG(I)-1
2       CONTINUE
193     FORMAT(1X,I/1X,10I/1X,10I)

C  LOOP FOR PRINTING TABLE AND ITEMS LOOP TIMES

3       DO 1 J1=1,LOOP

        CALL APOLY(TABX,TABY,18) ; CALL ANMODE
        READ(U2'ID) (CRI(I),I=1,17)

        CALL MOVABS(PHEADX(1),PHEADY(1)) ; CALL ANMODE
         WRITE(6,101) (CRI(J),J=2,(CRI(1)/4+2))
        CALL MOVABS(PHEADX(2),PHEADY(2)) ; CALL ANMODE;WRITE(6,103)
        CALL MOVABS(PHEADX(3),PHEADY(3)) ; CALL ANMODE;WRITE(6,102)
        CALL MOVABS(PHEADX(4),PHEADY(4)) ; CALL ANMODE;WRITE(6,104) (TITLE(J),J=1,2
4)
```

```
          CALL MOVABS(PHEADX(5),PHEADY(5)) ; CALL ANMODE;WRITE(6,105)
          CALL MOVABS(PHEADX(6),PHEADY(6)) ; CALL ANMODE;WRITE(6,106)
          CALL MOVABS(PHEADX(7),PHEADY(7)) ; CALL ANMODE
101   FORMAT(1X,20A4)
199   FORMAT(1X,A2)
102   FORMAT(' CODE')
103   FORMAT(' ID')
104   FORMAT(1X,30A1)
105   FORMAT(' U.S.')
106   FORMAT(' USSR')
107   FORMAT(1X,I2)

      DO 5 PL=IBEG(J1),IEND(J1)
C     WRITE(6,197)PL,IBEG(J1),IEND(J1)
197   FORMAT(1X,3I)
        READ(U1'IDA(PL,1))(ITEM(I),I=1,15)
          CALL MOVREL(RMX(1),0) ; CALL ANMODE ;WRITE(6,107)IDA(PL,1)
          CALL MOVREL(RMX(2),0); CALL ANMODE ;WRITE(6,101)ITEM(2)
          CALL MOVREL(RMX(3),0);CALL ANMODE;WRITE(6,101)(ITEM(J),J=3,(ITEM(1)/4+
2))
          CALL MOVREL(RMX(4),0);CALL ANMODE ; WRITE(6,199)IDA(PL,2)
          CALL MOVREL(RMX(5),0); CALL ANMODE ;WRITE(6,199)IDA(PL,3)
          CALL MOVREL(RMX(6),RMY) ; CALL ANMODE
5     CONTINUE

      II=IFIX(TABX(4)) ; IY = IFIX(TABY(4))
      CALL MOVABS(II,IY-14) ; CALL ANMODE
      WRITE(6,110)
110   FORMAT(// PRESS [RETURN] TO CONTINUE')

      READ(5,120)IS ; CALL CLR
120   FORMAT(A1)
1     CONTINUE

      DO 7 I=1,IL
        IDA(I,1)=0
        IDA(I,2)='   '; IDA(I,3)='   '
7     CONTINUE

      RETURN
      END
```

```
       DIMENSION ITEMCD(100),ITEMDA(25),CRI(17),CHAR(78,50),TITLE(20,24)
       DIMENSION IDA(91,3),TABX(16),TABY(16),MX(35),MY(35)
       DIMENSION T1(24),T2(24),T3(24),T4(24)
       DIMENSION ITEM(100)
       DIMENSION ICHOIC(50)

       INTEGER*4 ITEMDA,CRI
       INTEGER*2 IDA
       LOGICAL*1 IS,ITEMCD,TITLE,CHAR,T1,T2,T3,T4

       EQUIVALENCE (ITEMCD(1),ITEMDA(1))

       CALL SETOTS(9,64,200,64)
       CALL GETBAUD
       CALL CLR

       OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/TITLES',TYPE='OLD',READONLY)
       READ(1,100) (T1(J),J=1,24)
       READ(1,100) (T2(J),J=1,24)
       READ(1,100) (T3(J),J=1,24)
       READ(1,100) (T4(J),J=1,24)
       DO 1 I=5,20
          READ(1,100) (TITLE(I,J),J=1,24)
100    FORMAT(50A1)
1      CONTINUE

       DO 2 I=1,78
          READ(1,100) (CHAR(I,J),J=1,50)
2      CONTINUE
       CLOSE(UNIT=1,DISPOSE='SAVE')




C
C      READ IN GRAPHICS POINTS FOR TABLE AND POSITIONING
C

       OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/CHARPTS',TYPE='OLD',READONLY)
          READ(1,140) (TABX(I),I=1,15),(TABY(I),I=1,15),(MX(I),I=1,35),
     1    (MY(I),I=1,35)

140    FORMAT(15F/15F/2(3(10I/)5I/))
       CLOSE(UNIT=1,DISPOSE='SAVE')
C
C      MAIN FUNCTION MENU FOR TWOSIDED AID
C   1 => LIST CRISES        5=> LIST CHARACTERISTICS AND ITEMS
C   2 => LIST ACTIONS       6=> SELECT ITEMS FIND CRISES
C   3 => LIST OBJECTIVES    7=> HELP SECTION
```

130

```
C     4 => LIST PROBLEMS       8=> RETURN TO MAIN MENU
C

27      OPEN(UNIT=1,NAME='FUNCTPTS',TYPE='OLD',READONLY)

7       READ(1,133)ABX,ABY
        CALL TWINDO(0,1024,0,780)
        CALL DWINDO(0.,130.,0.,100.)
199     FORMAT(1X,2I)
        CALL MOVEA(ABX,ABY) ; CALL ANMODE
        WRITE(6,134)
        READ(1,133)ABX,ABY
        CALL DRAWA(ABX,ABY) ; CALL ANMODE
        CALL MENU(1,ICHOIC,NL,NP)
        IFF=ICHOIC(1)
        CALL DWINDO(0.,1024.,0.,780.)
133     FORMAT(2F)
134     FORMAT(' TWO SIDED AID FUNCTION MENU')
        IF(IFF.EQ.1)
2OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/SOVUSCRDA',ACCESS='DIRECT',
1 RECORDSIZE=17,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,90);CALL LIST(2,IDA,90,0,T1) ; REWIND 1 ;
1   CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7


        IF(IFF.EQ.2)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDACTDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,72);CALL LIST(2,IDA,72,0,T2) ; REWIND 1 ;
1   CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7



        IF(IFF.EQ.3)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDOBJDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD') ;
1CALL LOAD(IDA,60);CALL LIST(2,IDA,60,0,T3) ; REWIND 1 ;
1 CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7



        IF(IFF.EQ.4)
1OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/2SIDPRBDA',ACCESS='DIRECT',
1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE') ;
1CALL LOAD(IDA,91);CALL LIST(2,IDA,91,0,T4) ; REWIND 1 ;
1 CLOSE(UNIT=2,DISPOSE='SAVE') ; GOTO 7

        IF(IFF.EQ.5)CLOSE(UNIT=1,DISPOSE='SAVE')
3       OPEN(UNIT=2,NAME='/U1/JANICE/TWOSIDED/CHARDA',ACCESS='DIRECT',
1 RECORDSIZE=5,READONLY,TYPE='OLD')

        OPEN(UNIT=1,NAME='/U1/JANICE/TWOSIDED/SOVUSCRDA',ACCESS='DIRECT',
1 RECORDSIZE=17,READONLY,TYPE='OLD')
        CALL CLR
77      WRITE(6,110);READ(5,120)ID
        ISAVE=ID
120     FORMAT(I)
110     FORMAT(' ENTER A CRISIS I.D. NUMBER(1,90). TYPE "999" TO SEE A'/
1 ' LIST OF THE CRISES.')
```

131

```
      IF(ID.GT.90)CALL LOAD(IDA,90) $ CALL LIST(1,IDA,90,0,T1) $
     1 GOTO 77
      CALL CLR
      CALL DWINDO(0.,1024.,0.,780.)

      CALL APOLY(TABX,TABY,15)
      CALL ANMODE
      READ(1'ID) (CRI(I),I=1,17)
      READ(2'ID) (ITEMDA(I),I=1,5)
      DECODE(18,180,ITEMDA) (ITEMCD(I),I=1,18)
180   FORMAT(18I1)
      CLOSE(UNIT=2,DISPOSE='SAVE')

        CALL MOVABS(MX(1),MY(1)) $ CALL ANMODE
          WRITE(6,150) (CRI(I),I=2,(CRI(1)/4+2))
150   FORMAT(1X,16A4)

        CALL MOVABS(MX(2),MY(2)) $ CALL ANMODE
          WRITE(6,170) (TITLE(5,J),J=1,8)
        CALL MOVABS(MX(3),MY(3)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(1),J),J=1,50)
        CALL MOVABS(MX(4),MY(4)) $ CALL ANMODE
          WRITE(6,170) (TITLE(6,J),J=1,5)
        CALL MOVABS(MX(5),MY(5)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(2)+10,J),J=1,13)
        CALL MOVABS(MX(6),MY(6)) $ CALL ANMODE
          WRITE(6,170) (TITLE(7,J),J=1,9)
        CALL MOVABS(MX(7),MY(7)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(3)+12,J),J=1,23)
        CALL MOVABS(MX(8),MY(8)) $ CALL ANMODE
          WRITE(6,170) (TITLE(8,J),J=1,9)
        CALL MOVABS(MX(9),MY(9)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(4)+16,J),J=1,27)
        CALL MOVABS(MX(10),MY(10)) $ CALL ANMODE
          WRITE(6,170) (TITLE(9,J),J=1,4)
        CALL MOVABS(MX(11),MY(11)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(5)+20,J),J=1,33)
        CALL MOVABS(MX(12),MY(12)) $ CALL ANMODE
          WRITE(6,170) (TITLE(10,J),J=1,14)
        CALL MOVABS(MX(13),MY(13)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(6)+30,J),J=1,18)
        CALL MOVABS(MX(14),MY(14)) $ CALL ANMODE
          WRITE(6,170) (TITLE(11,J),J=1,9)
        CALL MOVABS(MX(15),MY(15)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(7)+32,J),J=1,9)
        CALL MOVABS(MX(16),MY(16)) $ CALL ANMODE
          WRITE(6,170) (TITLE(12,J),J=1,4)
        CALL MOVABS(MX(17),MY(17)) $ CALL ANMODE
          WRITE(6,170) (TITLE(13,J),J=1,4)
        CALL MOVABS(MX(18),MY(13)) $ CALL ANMODE
          WRITE(6,170) (TITLE(14,J),J=1,6)
        CALL MOVABS(MX(19),MY(19)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(8)+35,J),J=1,21)
        CALL MOVABS(MX(20),MY(20)) $ CALL ANMODE
          WRITE(6,170) (CHAR(ITEMCD(9)+39,J),J=1,21)
```

```
            CALL MOVABS(MX(21),MY(21))  ; CALL ANMODE
              WRITE(6,170) (TITLE(15,J),J=1,8)
            CALL MOVABS(MX(22),MY(22))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(10)+41,J),J=1,20)
            CALL MOVABS(MX(23),MY(23))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(11)+44,J),J=1,23)
            CALL MOVABS(MX(24),MY(24))  ; CALL ANMODE
              WRITE(6,170) (TITLE(16,J),J=1,10)
            CALL MOVABS(MX(25),MY(25))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(12)+48,J),J=1,24)
            CALL MOVABS(MX(26),MY(26))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(13)+51,J),J=1,24)
            CALL MOVABS(MX(27),MY(27))  ; CALL ANMODE
              WRITE(6,170) (TITLE(17,J),J=1,8)
            CALL MOVABS(MX(28),MY(28))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(14)+57,J),J=1,24)
            CALL MOVABS(MX(29),MY(29))  ; CALL ANMODE
              WRITE(6,170) (TITLE(18,J),J=1,18)
            CALL MOVABS(MX(30),MY(30))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(15)+62,J),J=1,24)
            CALL MOVABS(MX(31),MY(31))  ; CALL ANMODE
              WRITE(6,170) (TITLE(19,J),J=1,24)
            CALL MOVABS(MX(32),MY(32))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(16)+65,J),J=1,22)
            CALL MOVABS(MX(33),MY(33))  ; CALL ANMODE
              WRITE(6,170) (TITLE(20,J),J=1,7)
            CALL MOVABS(MX(34),MY(34))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(17)+70,J),J=1,8)
            CALL MOVABS(MX(35),MY(35))  ; CALL ANMODE
              WRITE(6,170) (CHAR(ITEMCD(18)+73,J),J=1,11)

170     FORMAT(1X,50A1)

11      WRITE(6,160)  ; READ(5,100,ERR=11) IA
        CALL CLR
160     FORMAT(/////' PRESS [RETURN] TO CONTINUE')

        OPEN(UNIT=2,NAME='MENUPTS',TYPE='OLD',READONLY)
13      CALL DWINDO(0.,130.,0.,100.)
        READ(2,133)ABX,ABY
        CALL MOVEA(ABX,ABY) ; CALL ANMODE
        WRITE(6,135)
135     FORMAT(' TWO SIDED AID LIST OPTIONS')
        READ(2,133)ABX,ABY
        CALL DRAWA(ABX,ABY) ; CALL ANMODE
        CALL MENU(2,ICHOIC,NL,NP)
        IFF=ICHOIC(1)

        GOTO (200,300,400,500)IFF

200     OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/ACTDA',ACCESS='DIRECT',
     1 RECORDSIZE=19,READONLY,TYPE='OLD')
        OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDACTDA',ACCESS='DIRECT',
     1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
        READ(3'ISAVE) (ITEMDA(I),I=1,19)
        DECODE(73,210,ITEMDA) (ITEM(I),I=1,73)
```

133

```
210    FORMAT(3X,73I1)

       CALL CLR
       IL=0
       CALL LOADA(IDA,72,ITEM,IL,INUM)
         IF(IL.EQ.0)WRITE(6,220) ; READ(5,100)IS ; CALL CLR ;
     1    GOTO 213

       ID=ISAVE
192    FORMAT(1X,I)
         CALL LIST2S(4,IDA,INUM,1,ID,T2)
213    REWIND 2 ; CLOSE(UNIT=3,DISPOSE='SAVE') ; CLOSE(UNIT=4,DISPOSE='SAVE');
     1 GOTO 13

220    FORMAT(/' NO ACTIONS FOR THIS CASE. PRESS [RETURN] TO CONTINUE')

300    OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/OBJDA',ACCESS='DIRECT',
     1 RECORDSIZE=16,READONLY,TYPE='OLD')
       OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDOBJDA',ACCESS='DIRECT',
     1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
       READ(3'ISAVE) (ITEMDA(I),I=1,16)
       DECODE(61,310,ITEMDA) (ITEM(I),I=1,61)
310    FORMAT(3X,61I1)

       CALL CLR
       IL=0
       CALL LOADA(IDA,60,ITEM,IL,INUM)
         IF(IL.EQ.0)WRITE(6,320);READ(5,100)IS;CALL CLR ; GOTO 313

      'ID = ISAVE
       CALL LIST2S(4,IDA,INUM,1,ID,T3)
313    REWIND 2 ;CLOSE(UNIT=4,DISPOSE='SAVE');CLOSE(UNIT=3,DISPOSE='SAVE');
     1 GOTO 13

320    FORMAT(///' NO OBJECTIVES FOR THIS CASE. PRESS [RETURN] TO CONTINUE.')

400    OPEN(UNIT=3,NAME='/U1/JANICE/TWOSIDED/PRBDA',ACCESS='DIRECT',
     1 RECORDSIZE=24,READONLY,TYPE='OLD')
       OPEN(UNIT=4,NAME='/U1/JANICE/TWOSIDED/2SIDPRBDA',ACCESS='DIRECT',
     1 RECORDSIZE=15,READONLY,TYPE='OLD',DISPOSE='SAVE')
       READ(3'ISAVE) (ITEMDA(I),I=1,24)
       DECODE(92,410,ITEMDA) (ITEM(I),I=1,92)
410    FORMAT(3X,92I1)
C      WRITE(6,191) (ITEM(I),I=1,20)
191    FORMAT(1X,20I2)

       CALL CLR
       IL=0
       CALL LOADA(IDA,91,ITEM,IL,INUM)
C      WRITE(6,191)INUM
C      DO 198 I=1,INUM
C        WRITE(6,123) (IDA(I,J),J=1,3)
123    FORMAT(1X,I4,2A4)
C198    CONTINUE
       IF(IL.EQ.0) WRITE(6,420);READ(5,100)IS;CALL CLR ;
     1 GOTO 413
```

```
        ID=ISAVE
        CALL LIST2S(4,IDA,INUM,1,ID,T4)
413     REWIND 2 ;CLOSE(UNIT=3,DISPOSE='SAVE'); CLOSE(UNIT=4,DISPOSE='SAVE')
      1 ;GOTO 13

420     FORMAT(/// NO PROBLEMS FOR THIS CASE. PRESS [RETURN] TO CONTINUE.')

500     CLOSE(UNIT=2,DISPOSE='SAVE') ; CLOSE(UNIT=1,DISPOSE='SAVE')
        CALL CLR ; GOTO 27
        STOP
        END
```

```
      SUBROUTINE LIST(UNIT,ID,IDIM,IF,TITLE)

      DIMENSION ITEMDA(25),IREAD(2),ID(IDIM),TABX(12),TABY(12)
      DIMENSION MAX(3),IYEAR(2),MAY(3),MAX(3),MRY(2)
      DIMENSION CODE(2),TITLE(30)

      INTEGER*4 ITEMDA
      INTEGER*2 ID,IYEAR,UNIT,CODE
      INTEGER DIM
      BYTE TITLE

      EQUIVALENCE (ITEMDA(2),IYEAR(1))
      OPEN(UNIT=8,NAME='/U1/JANICE/TWOSIDED/LSTPTS',TYPE='OLD',READONLY)
      READ(8,100) (TABX(I),I=1,12),(TABY(I),I=1,12),(MAX(I),I=1,3)
     1    ,(MAY(I),I=1,3),(MRX(I),I=1,3),(MRY(I),I=1,2)
213   FORMAT(1X,12F/1X,12F/1X,3I/1X,3I/1X,3I/1X,2I)
      CLOSE(UNIT=8,DISPOSE='SAVE')

100   FORMAT(12F/12F/3I/3I/3I/2I)

      IF(TITLE(11).EQ.'C')IREC=17 ;CODE(1)='YE' ; CODE(2)='AR'
      IF(TITLE(11).NE.'C')IREC=15 ;CODE(1)='CO' ; CODE(2)='DE'


      CALL CLR ; CALL APOLY(TABX,TABY,12)
      CALL ANMODE
      CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
      WRITE(6,101)
101   FORMAT(' ID')

      CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
      WRITE(6,151) (CODE(J1),J1=1,2)
151   FORMAT(1X,2A2)

102   FORMAT(1X,16A4)
      CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
      WRITE(6,103)(TITLE(J),J=1,24)
103   FORMAT(1X,30A1)
      CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE

      IF(IF.EQ.1)OPEN(UNIT=8,NAME='CRYR',TYPE='NEW')

      LINE=0
      DO 2 J=1,IDIM
        READ(UNIT'ID(J))(ITEMDA(I),I=1,IREC)
        IF(IF.EQ.1)DECODE(4,150,ITEMDA)IYEAR ;
     1    WRITE(8,150)IYEAR(2)
150   FORMAT(4X,2I2)

      CALL MOVREL(MRX(1),0) ; CALL ANMODE ; WRITE(6,105)J
105   FORMAT(1X,I2)
      CALL MOVREL(MRX(2),0) ; CALL ANMODE ; WRITE(6,102)ITEMDA(2)
      CALL MOVREL(MRX(3),0) ; CALL ANMODE
      WRITE(6,102) (ITEMDA(I),I=3,(ITEMDA(1)/4+2))
      CALL MOVREL(MRY(1),MRY(2)) ; CALL ANMODE
```

136

```
        LINE=LINE+1
        IF(LINE.LT.20) GOTO 2
         LINE=0
        WRITE(6,110) ; READ(5,120) IS ; CALL CLR

110     FORMAT(//// ' DO YOU WANT TO SEE MORE OF THE LIST? (Y=YES,N=NO) ')
120      FORMAT(A1)

        IF(IS.EQ.'N'.OR.IS.EQ.'N')GOTO 97

          CALL APOLY(TABX,TABY,12)

        CALL MOVABS(MAX(1),MAY(1)) ; CALL ANMODE
         WRITE(6,101)
         CALL MOVABS(MAX(2),MAY(2)) ; CALL ANMODE
         WRITE(6,151) (CODE(J1),J1=1,2)
        CALL MOVABS(MAX(3),MAY(3)) ; CALL ANMODE
         WRITE(6,103) (TITLE(J1),J1=1,24)
         CALL MOVABS(0,MAY(1)-35) ; CALL ANMODE
2       CONTINUE
        CALL MOVABS(MAX(1),MAX(3)) ; CALL ANMODE

        WRITE(6,130) ; READ(5,120) IS ; CALL CLR
130     FORMAT(//// ' PRESS [RETURN] TO CONTINUE ')

97      IF(IF.EQ.1)CLOSE(UNIT=8,DISPOSE='SAVE')
        RETURN
        END
```

```
        SUBROUTINE LIST2S(U1,IDA,IL,U2,ID,TITLE)
C  U1 ASSIGNED TO THE UNIT OF DIRECT ACCESS FILE TO BE PRINTED
C  IDA(IL,3)
C       IDA(IL,1)=ID'S OF RECORDS IN U1 TO BE PRINTED
C       IDA(IL,2)=U.S. CODES FOR ITEMS IN U1
C       IDA(IL,3)=USSR CODES FOR ITEMS IN U1
C   IL=NUMBER OF ITEMS IN IDA
C  U2 ASSIGNED TO HEADER DIRECT ACCESS FILE
C  TITLE = 30 CHARACTER STRING EXPLAINING ITEM TYPE
C
        DIMENSION ITEM(20),CRI(20),TITLE(24),IDA(91,3)
        DIMENSION TABX(18),TABY(18),PHEADX(7),PHEADY(7),RMX(6)
        DIMENSION IBEG(10),IEND(10)

        INTEGER*4 ITEM,CRI
        INTEGER RMY,PHEADX,PHEADY,RMX,U1,U2,PL
        LOGICAL*1 IS,TITLE

        CALL DWINDO(0.,1024.,0.,780.)
C   READ IN GRAPHICS POINTS
        OPEN(UNIT=9,NAME='/U1/JANICE/TWOSIDED/2SIDTABPTS',TYPE='OLD',READONLY)
        READ(9,100) TABX,TABY,PHEADX,PHEADY,RMX,RMY
        CLOSE(UNIT=9,DISPOSE='SAVE')

100     FORMAT(10F/8F/10F/8F/7I/7I/6I/I)

C    SET PARAMETERS FOR PRINTING LOOP

        IF(IL.LE.22)LOOP=1
        IF(IL.GT.22.AND.IL.LE.44)LOOP=2
        IF(IL.GT.44.AND.IL.LE.66)LOOP=3
        IF(IL.GT.66.AND.IL.LE.88)LOOP=4
        IF(IL.GT.88.AND.IL.LE.110)LOOP=5

        IBEG(1)=1 ; IEND(1)=MIN0(IL,22)
        IF(LOOP.LE.1)GOTO 3

        DO 2 I=2,LOOP
           IBEG(I)=IEND(I-1)+1
           IEND(I)=MIN0(IL-IEND(I-1),22)+IBEG(I)-1
2       CONTINUE
193     FORMAT(1X,I/1X,10I/1X,10I)

C   LOOP FOR PRINTING TABLE AND ITEMS LOOP TIMES

3       DO 1 J1=1,LOOP

        CALL APOLY(TABX,TABY,18) ; CALL ANMODE
        READ(U2'ID) (CRI(I),I=1,17)

        CALL MOVABS(PHEADX(1),PHEADY(1)) ; CALL ANMODE
         WRITE(6,101) (CRI(J),J=2,(CRI(1)/4+2))
        CALL MOVABS(PHEADX(2),PHEADY(2)) ; CALL ANMODE;WRITE(6,103)
        CALL MOVABS(PHEADX(3),PHEADY(3)) ; CALL ANMODE;WRITE(6,102)
        CALL MOVABS(PHEADX(4),PHEADY(4)) ; CALL ANMODE;WRITE(6,104) (TITLE(J),J=1,2
4)
```

```
            CALL MOVABS(PHEADX(5),PHEADY(5)) ; CALL ANMODE;WRITE(6,105)
            CALL MOVABS(PHEADX(6),PHEADY(6)) ; CALL ANMODE;WRITE(6,106)
            CALL MOVABS(PHEADX(7),PHEADY(7)) ; CALL ANMODE
101     FORMAT(1X,20A4)
199     FORMAT(1X,A2)
102     FORMAT(' CODE')
103     FORMAT(' ID')
104     FORMAT(1X,30A1)
105     FORMAT(' U.S.')
106     FORMAT(' USSR')
107     FORMAT(1X,I2)

        DO 5 PL=IBEG(J1),IEND(J1)
C       WRITE(6,197)PL,IBEG(J1),IEND(J1)
197     FORMAT(1X,3I)
          READ(U1'IDA(PL,1))(ITEM(I),I=1,15)
            CALL MOVREL(RMX(1),0) ; CALL ANMODE ;WRITE(6,107)IDA(PL,1)
            CALL MOVREL(RMX(2),0); CALL ANMODE ;WRITE(6,101)ITEM(2)
            CALL MOVREL(RMX(3),0);CALL ANMODE;WRITE(6,101)(ITEM(J),J=3,(ITEM(1)/4+
2))
            CALL MOVREL(RMX(4),0);CALL ANMODE ; WRITE(6,199)IDA(PL,2)
            CALL MOVREL(RMX(5),0); CALL ANMODE ;WRITE(6,199)IDA(PL,3)
            CALL MOVREL(RMX(6),RMY) ; CALL ANMODE
5       CONTINUE

        II=IFIX(TABX(4)) ; IY = IFIX(TABY(4))
        CALL MOVABS(II,IY-14) ; CALL ANMODE
        WRITE(6,110)
110     FORMAT(// PRESS [RETURN] TO CONTINUE')

        READ(5,120)IS ; CALL CLR
120     FORMAT(A1)
1       CONTINUE

        DO 7 I=1,IL
          IDA(I,1)=0
          IDA(I,2)='  ' ; IDA(I,3)='  '
7       CONTINUE

        RETURN
        END
```

C.A.C.I.

WASHINGTON, D.C. OFFICES

TEKTRONIX 4051 Version

CHINESE AID

```
1 INIT
2 PAGE
3 GO TO 100
24 FIND 3
25 OLD
26 RUN
27 END
80 FIND 1
81 SAVE
82 PRINT 'Saved on 1'
83 END
100 DIM A(40),B(40),C(9),E(9),F(9),Z1(6),Z2(6),W0(4)
101 SET KEY
102 VIEWPORT 71,127,65,93
103 SET DEGREES
104 FIND 2
105 READ @33:A,B,C,Q1,W0,E,F
106 REM C=COS(C)
107 WINDOW -1,1,-1,1
108 MOVE 0,1
109 FOR I=1 TO 4
110 DRAW A,B
111 WINDOW -W0(I),W0(I),-1,1
112 NEXT I
113 MOVE COS(231),SIN(231)+Q1
114 DRAW C,E
115 MOVE COS(51),SIN(51)-Q1
116 C=-C
117 DRAW C,F
118 DATA -39.2,-5,9,1.25,0.375,0.45,1,1,-1,-1,1,1,0,-1,-1,1,1,0
119 READ L1,L2,W,H,D,Q1,Z1,Z2
120 MOVE -1,0
121 DRAW Z1,Z2
122 WINDOW -50,50,-20,20
123 W1=0.8*W
124 H1=H/0.8
125 GOSUB 139
126 L1=L1+2.3*W+5*D
127 GOSUB 149
128 T1=L1+0.8*W1-D*1.25
129 FOR I=1 TO 6
130 MOVE T1,L2+Q1*H*W
131 DRAW T1+1.2*W1,L2
132 T1=T1+D*1.25
133 NEXT I
134 L1=L1+2.4*W1+5*D
135 GOSUB 149
136 L1=L1+2.1*W1+5*D
137 GOSUB 139
138 GO TO 160
139 T1=L1
140 FOR I=1 TO 5
141 MOVE T1,L2
142 DRAW T1+W,L2+H*W
143 DRAW T1+2*W,L2
144 MOVE T1+Q1*W-D*(I-1),L2+Q1*H*W-D*(I-1)*0.8
145 DRAW T1+(2-Q1)*W,L2+Q1*H*W-D*(I-1)*0.8
146 T1=T1+D
147 NEXT I
148 RETURN
149 T1=L1
150 FOR I=1 TO 5
```

```
241 DRAW L1+2*W,L2+Q2*W
242 DRAW L1+(2-Q2)*W,L2
243 DRAW L1,L2
244 RETURN
245 MOVE L1+2*W,L2+W*(H-Q2)
246 DRAW L1+2*W,L2+W*H
247 DRAW L1,L2+W*H
248 DRAW L1,L2
249 DRAW L1+2*W,L2
250 DRAW L1+2*W,L2+Q2*W
251 RETURN
252 GOSUB 245
253 MOVE L1,L2+(1-Q1)*H*W
254 DRAW L1+1.5*W,L2+(1-Q1)*H*W
255 RETURN
256 MOVE L1+2*W,L2+(H-Q2)*W
257 DRAW L1+2*W,L2+H*W
258 DRAW L1,L2+H*W
259 DRAW L1,L2
260 MOVE L1+1.5*W,L2+(1-Q1)*W*H
261 DRAW L1,L2+(1-Q1)*W*H
262 RETURN
263 GOSUB 245
264 DRAW L1+2*W,L2+Q1*H*W
265 DRAW L1+0.5*W,L2+Q1*W*H
266 RETURN
267 MOVE L1,L2
268 DRAW L1,L2+H*W
269 MOVE L1+2*W,L2+H*W
270 DRAW L1+2*W,L2
271 MOVE L1,L2+Q1*H*W
272 DRAW L1+2*W,L2+QI*H*W
273 RETURN
274 MOVE L1,L2
275 DRAW L1+W,L2
276 MOVE L1+W,L2+W*H
277 DRAW L1,L2+W*H
278 MOVE L1+0.5*W,L2+W*H
279 DRAW L1+0.5*W,L2
280 L1=L1-W
281 RETURN
282 MOVE L1,L2+H*W
283 GOSUB 248
284 RETURN
285 MOVE L1,L2
286 DRAW L1,L2+H*W
287 DRAW L1+1.5*W,L2+0.33*H*W
288 DRAW L1+3*W,L2+H*W
289 DRAW L1+3*W,L2
290 L1=L1+W
291 RETURN
292 MOVE L1,L2
293 DRAW L1,L2+H*W
294 DRAW L1+2*W,L2
295 DRAW L1+2*W,L2+H*W
296 RETURN
297 GOSUB 245
298 DRAW L1+2*W,L2+H*W
299 RETURN
300 MOVE L1,L2
301 DRAW L1,L2+W*H
302 DRAW L1+2*W,L2+W*H
303 DRAW L1+2*W,L2+Q1*W*H
304 DRAW L1,L2+Q1*W*H
305 MOVE L1+W,L2+Q1*W*H
306 DRAW L1+2*W,L2
```

```
307 RETURN
308 MOVE L1+2*W,L2+W*(H-Q2)
309 DRAW L1+2*W,L2+W*H
310 DRAW L1,L2+W*H
311 DRAW L1,L2+(1-Q1)*W*H
312 DRAW L1+2*W,L2+(1-Q1)*W*H
313 DRAW L1+2*W,L2
314 DRAW L1,L2
315 DRAW L1,L2+Q2*W
316 RETURN
317 MOVE L1,L2+W*H
318 DRAW L1+2*W,L2+W*H
319 MOVE L1+W,L2+W*H
320 DRAW L1+W,L2
321 RETURN
322 MOVE L1,L2+H*W
323 DRAW L1+W,L2+0.33*H*W
324 DRAW L1+2*W,L2+H*W
325 MOVE L1+W,L2+0.33*H*W
326 DRAW L1+W,L2
327 RETURN
```

```
1 GO TO 100
4 NO=5
5 GO TO 90
8 PRINT 'Data not available.
9 END
12 GO TO 8
16 GO TO 8
20 GO TO 8
24 IF KO=1 THEN 730
25 IF KO=2 THEN 1020
27 IF KO=3 THEN 1360
28 GO TO 1060
40 PRINT 'See HELP Program in the U.S. or Soviet Sections.'
41 END
44 NO=4
45 GO TO 90
80 FIND 3
81 SAVE
82 PRINT 'Saved on 3'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Z$(26),K$(316)
110 Y=80
120 D=5
130 PAGE
140 T$='C R I S I S   M A N A G E M E N T   E X E C U T I V E   A I D'
150 GOSUB 440
160 Y=Y-2*D
170 T$='Developed By'
180 GOSUB 440
190 Y=Y-D
200 T$='CACI, Inc.-Federal'
210 GOSUB 440
220 Y=Y-2*D
230 T$='For'
240 GOSUB 440
250 Y=Y-D
260 T$='DARPA'S Cybernetics Technology Office'
270 GOSUB 440
280 Y=Y-D*2
290 T$='Under Contract No. N00014-77-C-0135'
300 GOSUB 440
310 T$='Chinese Executive Aid'
320 Y=Y-4*D
330 GOSUB 440
340 MOVE 4.5,4.5
350 PRINT @32,20:4.5,98,128,98,128,4.5,4.5,4.5
360 MOVE 3,3
370 PRINT @32,20:3,99.5,129.5,99.5,129.5,3,3,3
380 FOR L=1 TO 60
390 X=SQR(9999)
400 NEXT L
410 KO=0
420 GO TO 490
430 REM***Subroutine to center and print line***
440 L=LEN(T$)
450 X=(130-L*1.81)/2
460 MOVE X,Y
```

144

```
480 RETURN
490 Z$='Press CONTINUE (Key No. 6)'
500 PAGE
510 MOVE 30,95
520 PRINT 'CRISIS MANAGEMENT EXECUTIVE AID'
530 MOVE 20,84
540 PRINT 'This aid consists of three data sets:'
550 MOVE 32,69
560 PRINT 'o 315 U.S. Crises (1946-1976)'
570 MOVE 32,63
580 PRINT 'o 386 Soviet Crises (1946-1975)'
590 MOVE 32,57
600 PRINT 'o 386 Chinese Crises (1949-1978)'
610 MOVE 20,49
620 PRINT 'and retrieval programs that allow you to examine them.'
630 MOVE 20,40
640 PRINT 'You will control program operations by the Program Keys'
650 MOVE 20,37
660 PRINT '(upper left keyboard) and by responding to questions'
670 MOVE 20,34
680 PRINT 'posed by the program.'
690 MOVE 20,3
700 PRINT Z$
710 KO=1
720 END
730 PAGE
740 MOVE 15,85
750 PRINT 'For these data files, a CRISIS is defined as:'
760 MOVE 12,82
770 PRINT @32,20:107,82,107,76,12,76,12,82
780 MOVE 15,78
790 PRINT ''A period of unusual military management activity.''
800 MOVE 15,64
810 PRINT 'Two procedures are available to you:'
820 MOVE 25,54
830 PRINT '(1) Selection of Crises';
840 PRINT @32,20:32,54
850 MOVE 32,48
860 PRINT 'o By identification no., or'
870 MOVE 32,43
880 PRINT 'o By a search for crises with'
890 MOVE 36,40
900 PRINT 'user-selected charactistics'
910 MOVE 25,34
920 PRINT '(2) Examination of Selected Crises';
930 PRINT @32,20:32,34
940 MOVE 32,28
950 PRINT 'o By printing the Titles'
960 MOVE 32,24
970 PRINT 'o                Descriptors'
980 MOVE 10,5
990 PRINT Z$
1000 KO=2
1010 END
1020 PAGE
1030 DO=10
1040 YO=100
1050 MOVE DO,YO
1060 PRI 'You are now in the Chinese section.  It contains descriptive'
1070 MOVE DO,YO-D
1080 PRINT 'data on 386 crises involving the Peoples Republic of China';
1090 PRINT ' (PRC)'
1100 MOVE DO,YO-2*D
1110 PRINT 'between 1949 and 1978.'
1120 MOVE DO,YO-5*D
1130 PRINT 'Information available for each crisis includes:'
```

```
1 GO TO 100
24 IF KO=1 THEN 410
25 IF KO=2 THEN 1110
26 IF KO=3 THEN 1776
28 GO TO 240
80 FIND 22
81 SAVE
82 PRINT 'Saved on 22'
83 END
100 DIM X$(8551),B$(4276),Z$(30),K(90)
110 Z$='Press HOME/PAGE to continue'
120 D=20
130 A=4
140 YO=100
150 SET KEY
160 PAGE
170 MOVE D,YO
180 PRINT 'The PROBLEMS data are being read from tape.'
190 FIND 21
200 READ @33:X$,B$
210 X$=X$&B$
220 FIND 15
230 READ @33:K
240 FIND 16
250 PAGE
270 FOR I=1 TO 90
272 L=24
280 IF K(I)=0 THEN 2220
290 INPUT @33:Q$
300 T$=SEG(Q$,9,LEN(Q$)-8)
310 IO=(I-1)*95
320 A$=SEG(X$,IO+3,1)
330 GOSUB 2460
340 IF A$<>'0' THEN 420
350 MOVE D+10,YO-10*A
360 PRINT 'No data for this case.'
370 FOR QO=1 TO 50
380 Q=SQR(99999)
390 NEXT QO
400 PAGE
410 GO TO 2220
420 J=0
430 P$='U  1. DELAYED DECISION ON ACTION'
440 GOSUB 2270
450 P$='U  2. DELAYED TRANSMISSION OF DECISIONS/ORDERS'
460 GOSUB 2270
470 P$='U  3. EXTENSIVE INTER-AGENCY COORDINATION REQUIRED'
480 GOSUB 2270
490 P$='U  4. CONCURRENCE(S) LEGALLY REQUIRED FOR PROPOSED ACTION'
500 GOSUB 2270
510 P$='U  5. REFERRAL TO INTERNATIONAL AGENCIES REQUIRED'
520 GOSUB 2270
530 P$='U  6. PRESIDENT INVOLVED AS DECISION-MAKER'
540 GOSUB 2270
550 P$='U  8. MISPERCEPTION OF CONSTRAINTS'
560 GOSUB 2270
570 P$='B  9. CONSTRAINTS ON MILITARY ACTION'
580 GOSUB 2270
590 P$='B 10. CONSIDERATION OF DOMESTIC IMPACT'
600 GOSUB 2270
610 P$='B 11. CONSIDERATION OF INTERNATIONAL RELATIONS'
620 GOSUB 2270
```

146

```
1140 PRINT
1150 PRINT '          o Date and One-Line Description'
1160 PRINT '          o JCS Region in Which Crisis is Located'
1170 PRINT '          o Geopolitical Location'
1180 PRINT '          o Scope (Domestic,International)'
1190 PRINT '          o Duration of the Crisis'
1200 PRINT '          o Character (Threatened, Attempted, Successful)'
1210 PRINT '          o Type (Riot, Uprising, Border Incident, War, etc.)'
1220 PRINT '          o Actor Mix (Large, Middle, Small Powers)'
1230 PRINT '          o Violence Level'
1240 PRINT '          o Strategic Confrontation (Actual, Potential)'
1250 PRINT '          o Perceived Threat (Well-Being, Independence, Survi';
1260 PRINT 'val)'
1270 PRINT '          o Management Capabilities (Negligible, Substantial)'
1280 PRINT '          o Objectives (For PRC, For PRC Ally, For Others)'
1290 PRINT '          o Chinese Behavior (Verbal, Physical)'
1300 PRI '      o Crisis Outcomes (For PRC, For PRC Ally, For Others)'
1310 PRINT
1320 MOVE 20,5
1330 PRINT Z$
1340 KO=3
1350 END
1360 PAGE
1370 PRINT 'Two options are available:'
1380 MOVE 10,85
1390 PRINT 'A. You may print the one-line descriptions of all'
1400 MOVE 15,80
1410 PRINT 'crises selected by starting year, JCS region, or'
1420 MOVE 15,75
1430 PRINT 'any of the other crisis descriptors, or'
1440 MOVE 10,60
1450 PRINT 'B. You may print a complete description of any crisis'
1460 MOVE 15,55
1470 PRINT 'selected by its identification no. (See crisis list.)'
1480 MOVE 10,40
1490 PRINT 'Select option by pressing 'A' or 'B' and 'RETURN'.'
1500 INPUT A$
1510 IF A$='A' THEN 1540
1520 IF A$='B' THEN 1560
1530 GO TO 1490
1540 N=4
1550 GO TO 1580
1560 N=5
1570 PRINT
1580 MOVE 10,30
1590 PRINT 'Option ';A$;' is being loaded.'
1600 FIND N
1610 OLD
1620 RUN
1630 END
```

147

```
1 GO TO 100
4 NO=5
5 GO TO 90
8 PRINT 'Data not available.'
9 END
12 GO TO 8
16 GO TO 8
20 GO TO 8
24 NO=3
25 GO TO 90
28 GO TO 190
44 GO TO 190
56 LIST 400,500
80 FIND 4
81 SAVE
82 PRINT 'Saved on 4'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(9265),B$(4632),K1(386),K$(24),V$(18)
110 V$='--------------------'
120 SET KEY
130 PAGE
140 PRINT 'E X E C U T I V E   A I D S   F O R   C R I S I S   M A N ';
150 PRINT 'A G E M E N T'
152 MOVE 10,70
154 PRINT 'Crisis data is being read from tape.'
160 FIND 6
170 READ @33:X$,B$
180 X$=X$&B$
190 PAGE
200 MOVE 16,90
210 PRINT 'Option A. Search for crises with selected characteristics'
220 MOVE 30,80
230 PRINT 'You may select crises by :'
240 MOVE 35,72
250 PRINT 'o Year,'
260 MOVE 35,68
270 PRINT 'o JCS Region, and'
280 MOVE 35,64
290 PRINT 'o Any level of one or more'
300 MOVE 39,61
310 PRINT 'of the crisis descriptors.'
320 MOVE 0,50
330 GO TO 370
340 PRINT 'This file starts with 1949.'
350 GO TO 370
360 PRINT 'This file includes crises only through 1978.'
370 PRINT 'Enter years (For example '49-58'or'56-56' for one year) ';
380 INPUT T$
390 P$=SEG(T$,1,2)
400 T1=VAL(P$)
410 IF T1<49 THEN 340
420 IF T1>78 THEN 340
430 P$=SEG(T$,4,2)
440 T2=VAL(P$)
450 IF T2<49 THEN 360
460 IF T2>78 THEN 360
470 IF T2>71 THEN 510
480 T3=T1
```

```
1 GO TO 100
4 PAGE
5 GO TO 250
8 PRINT 'No data available.'
9 END
12 GO TO 8
16 GO TO 8
20 GO TO 8
24 FIND 1
25 OLD
26 RUN
27 END
40 PRINT 'See HELP prosram in the U.S. or Soviet Sections.'
41 END
80 FIND 5
81 SAVE
82 PRINT 'Saved on 5'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(9265),A$(4632),K1(386),K2(20),V$(13)
110 V$='--------------------'
120 SET KEY
130 PAGE
140 D=32
150 PRINT 'E X E C U T I V E    A I D S    F O R    C R I S I S    M A N ';
160 PRINT 'A G E M E N T'
170 MOVE 30,90
173 PRINT 'Data on Chinese crises are being read from tape.'
180 K1=0
190 FIND 6
200 READ @33:X$,A$
210 X$=X$&A$
211 PAGE
220 PRINT 'Option B. Description of a Selected Crisis'
230 GIN U1,U2
240 MOVE 0,U2-5
250 PRINT 'Enter a crisis no. (1-386) ';
260 INPUT A$
270 K=VAL(A$)
280 IF K>386 THEN 250
290 U$=SEG(X$,(K-1)*24+1,24)
300 PAGE
310 FIND 7
320 N=0
330 N=N+1
340 INPUT @33:S$
350 IF N<>K THEN 330
360 D$=SEG(S$,8,LEN(S$)-7)
370 V=POS(D$,'>',20)
380 T$=SEG(D$,1,V-1)
390 PRINT @D:V$,V$,V$,V$
400 PRINT @D: USING 410:K,T$
410 IMAGE 1x,3d,1x,66a
420 PRINT @D:V$,V$,V$,V$
430 MOVE 0,80
440 R$=SEG(U$,4,1)
450 R=VAL(R$)+1
460 GO TO R OF 470,490,510,530,550,570,590,610,630,650
470 G$='Multiple, the World'
```

```
2790 K$='Pacific Area, East Asia'
3000 S$='7 = '&K$
3010 PRINT S$
3020 L$='The Polar Regions'
3030 S$='8 = '&L$
3040 PRINT S$
3050 M$='Space'
3060 S$='9 = '&M$
3070 PRINT S$
3080 N$='Multiple, the World'
3090 S$='0 ='&N$
3100 PRINT S$
3110 GO TO 510
3120 PRINT 'Press CONTINUE (Key No. 6) to return to the Introduction.'
3122 END
3130 REM HANDLE INPUT
3140 PRINT 'z = Skip this variable / p= Proceed to file search'
3150 INPUT A$
3152 IF A$='p' THEN 2200
3160 K$=REP(A$,N,1)
3162 PRINT
3170 RETURN
```

150

```
2360 PRINT 'No cases selected.'
2370 PRINT
2380 PRINT 'Would you like to search the file again ?'
2390 PRINT 'Press 'Y' or 'N' and 'RETURN' ';
2400 PRINT
2410 INPUT A$
2t20 IF A$='Y' THEN 370
2430 IF A$='N' THEN 3120
2440 PRINT 'No. Cases Selected = ',K4
2450 PRINT 'Would you like to display these cases ?'
2460 PRINT 'Press 'Y' or 'N' and 'RETURN' ';
2470 INPUT A$
2480 IF A$='N' THEN 2504
2490 IF A$='Y' THEN 2510
2500 GO TO 2450
2504 PAGE
2506 GO TO 2380
2510 FIND 8
2520 PAGE
2530 T1=1900+T1
2540 T2=1900+T2
2550 PRINT V$,V$,V$,V$
2560 IF R1=99 THEN 2600
2570 PRINT USING 2580:T1,T2,R1
2580 IMAGE 25X,4D,'-',4D,' : Regi0on ',1D
2590 GO TO 2620
2600 PRINT USING 2610:T1,T2
2610 IMAGE 25X,4D,'-',4D,' All Regions'
2620 PRINT V$,V$,V$,V$
2630 GIN U1,U2
2640 MOVE 0,U2-5
2645 FIND 7
2650 FOR K=1 TO 386
2660 INPUT @33:T$
2670 IF K=L9 THEN 2750
2680 IF K1(K)=0 THEN 2740
2690 S$=SEG(T$,8,LEN(T$)-7)
2700 U=POS(S$,'>',20)
2710 T$=SEG(S$,1,U-1)
2720 PRINT USING 2730:K,T$
2730 IMAGE 3D,1X,65A
2740 NEXT K
2750 MOVE 20,0
2760 PRINT 'Press 'HOME/PAGE' to continue'
2770 GO TO 2380
2780 PAGE
2790 PRINT 'The JCS Region Codes are:'
2800 MOVE 0,85
2810 E$='North America'
2820 S$='1 = '&E$
2830 PRINT S$
2840 F$='Central and South America'
2850 S$='2 = '&F$
2860 PRINT S$
2870 G$='Western Europe, Mediterranean, Atlantic'
2880 S$='3 = '&G$
2890 PRINT S$
2900 H$='Eastern Europe, USSR'
2910 S$='4 = '&H$
2920 PRINT S$
2930 I$='Mideast, North Africa'
2940 S$='5 = '&I$
2950 PRINT S$
2960 J$='SE Asia, Indian Ocean, Subsaharan Africa'
2970 S$='6 = '&J$
2980 PRINT S$
```

151

```
1720 PAGE
1730 PRINT 'CHINESE OBJECTIVES : OPPOSED ACTOR SET'
1740 PRINT '0. = Uncodable (11 cases)'
1750 PRINT '1 = Oppose Efforts to Preserve status Quo Ante (110 cases)'
1760 PRINT '2 = Oppose Efforts to Restore Status Quo Ante (8 cases)'
1770 PRINT '3 = Oppose Efforts to Change Status Quo Ante (250 cases)'
1780 PRINT '5 = Indifference (7 cases)'
1790 N=20
1800 GOSUB 3130
1810 PRINT 'CHINESE BEHAVIOR : VERBAL'
1820 PRINT '1 = PRC Notes Crisis (323 cases)'
1830 PRINT '2 = PRC Goes Beyond Noting Crisis (63 cases)'
1840 N=15
1850 GOSUB 3130
1860 PRINT 'CHINESE BEHAVIOR : PHYSICAL'
1870 PRINT '0 = Uncodable (183 cases)'
1880 PRINT '1 = Actions Short of Combat; No Details (75 cases)'
1890 PRINT '2 = No Combat; Military Personnel in Area (43 cases)'
1900 PRINT '3 = No Combat; Military Personnel in Area (67 cases)'
1910 PRINT '4 = Combat Involving Military Personnel (18 cases)'
1920 N=16
1930 GOSUB 3130
1940 PRINT 'CRISIS OUTCOME FOR PRC'
1950 PRINT '0 = Uncodable (Unknown, Uncertain, Unresolved - 21 cases)'
1960 PRINT '1 = Favorable (89 cases)'
1970 PRINT '2 = Mixed; Chinese Worlkd View Confirmed (70 cases)'
1980 PRINT '3 = Mixed; Functional Sense (43 cases)'
1990 PRINT '4 = Unfavorable (156 cases)'
2000 PRINT '5 = Indifferent (7 cases)'
2010 N=22
2020 GOSUB 3130
2030 PAGE
2040 PRINT 'CRISIS OUTCOME FOR PRC CLIENTS/ALLIES'
2050 PRINT '0 = Uncodable (Unknown, Uncertain, Unresolved - 295 cases)'
2060 PRINT '1 = Favorable (10 cases)'
2070 PRINT '3 = Mixed (16 cases)'
2080 PRINT '4 = Unfavorable (53 cases)'
2090 PRINT '8 = N/A (295 cases)'
2100 N=23
2110 GOSUB 3130
2120 PRINT 'CRISIS OUTCOME FOR OTHER POLITIES OF INTEREST TO THE PRC'
2130 PRINT '0 = Uncodable (Unknown, Uncertain, Unresolved - 26 cases)'
2140 PRINT '1 = Favorable (43 cases)'
2150 PRINT '3 = Mixed (36 cases)'
2160 PRINT '4 = Unfavorable (62 cases)'
2170 PRINT '8 = N/A (219 cases)'
2130 N=24
2190 GOSUB 3130
2200 K4=0
2205 PRINT 'This search through 386 crises will take approximately ';
2206 PRINT '1 minute.'
2210 FOR K=1 TO 386
2220 IF K1(K)=0 THEN 2340
2230 K4=K4+1
2240 L=(K-1)*24
2250 FOR J=3 TO 24
2260 T$=SEG(X$,L+J,1)
2270 S$=SEG(K$,J,1)
2280 IF S$='z' THEN 2330
2290 IF S$=T$ THEN 2330
2300 K1(K)=0
2310 K4=K4-1
2320 GO TO 2340
2330 NEXT J
2340 NEXT K
2350 IF K4=0 THEN 2440
```

152

```
1080 PRINT '4 = Extra Long (> 1 year - 32 cases)'
1090 PRINT '0 = N/A'
1100 N=3
1110 GOSUB 3130
1120 PAGE
1130 PRINT 'CHARACTER'
1132 PRINT
1140 PRINT '1 = Potential/ Threat of (5 cases)'
1150 PRINT '2 = Attempted (40 cases)'
1160 PRINT '3 = Successful (339 cases)'
1170 N=6
1180 GOSUB 3130
1190 PRINT 'TYPE'
1192 PRINT
1200 PRINT '0 = Domestic Crisis (39 cases)'
1210 PRINT '1 = Riot, Disorder (48)cases)'
1220 PRINT '2 = Revolt (24 cases)'
1230 PRINT '3 = War of National Liberation (22 cases)'
1240 PRINT '4 = Coup (19)cases)'
1250 PRINT '5 = Structural Change (49 cases)'
1260 PRINT '6 = Border Incident (67 cases)'
1270 PRINT '7 = War (22 cases)'
1280 PRINT '3 = Conflict Short of War (96 cases)'
1290 N=7
1300 GOSUB 3130
1310 PRINT 'ACTOR MIX'
1312 PRINT
1320 PRINT '1 = Internal (75 cases)'
1330 PRINT '2 = Two or More Large Powers (130 cases)'
1340 PRINT '3 = Large/Middle Power Mix (32 cases)'
1350 PRINT '4 = Large/Small Power Mix (119 cases)'
1360 PRINT '5 = Middle/Small Power Mix (10 cases)'
1370 PRINT '6 = Small/Small Power Mix (20 cases)'
1380 N=12
1390 GOSUB 3130
1400 PAGE
1410 PRINT 'VIOLENCE LEVEL'
1420 PRINT '1 = Non-Violent Events (102 cases)'
1430 PRINT '2 = Violent Events - Property Destroyed (44 cases)'
1440 PRINT '3 = Violent Events - People Injured (240)cases)'
1450 N=9
1460 GOSUB 3130
1470 PRINT 'STRATEGIC CONFRONTATION'
1480 PRINT '0 = N/A (376 cases)'
1490 PRINT '1 = Potential (6 cases)'
1500 PRINT '2 = Actual (4 cases)'
1510 N=10
1520 GOSUB 3130
1540 PRINT '0 = N/A (209 cases)'
1550 PRINT '1 = Well-Being Threatened (142 cases)'
1560 PRINT '2 = Political Independence Threatened (8 cases)'
1570 N=11
1580 GOSUB 3130
1590 PRINT 'CHINESE CRISIS MANAGEMENT CAPABILITIES'
1600 PRINT '0 = Negligible'
1610 PRINT '1 = Substantial'
1620 N=21
1630 GOSUB 3130
1640 PRINT 'CHINESE OBJECTIVES : SUPPORTED ACTOR SET'
1650 PRINT '0 = Uncodable (33 cases)'
1660 PRINT '1 = Preserve Status Quo Ante (210 cases)'
1670 PRINT '2 = Restore Status Quo Ante (39 cases)'
1680 PRINT '3 = Change Status Quo Ante (100 cases)'
1690 PRINT '5 = Indifference (4 cases)'
1700 N=19
1710 GOSUB 3130
```

```
470 T1=T2
500 T2=T3
510 PRINT
512 PRINT 'Enter one JCS region code (0-9), or'
520 PRINT '       'A' For all regions (i.e. no selection by region), or'
530 PRINT '       'H' For a list of the region codes. ';
550 INPUT Q$
560 R1=99
570 IF Q$='H' THEN 2780
580 IF Q$='A' THEN 610
590 R1=VAL(Q$)
600 IF R1>9 THEN 510
610 PRINT 'W O R K I N G'
620 K$='zzzzzzzzzzzzzzzzzzzzzzzzz'
622 K4=0
630 K1=0
640 FOR K=1 TO 386
652 L=(K-1)*24
660 T$=SEG(X$,L+1,2)
670 T=VAL(T$)
680 IF T<T1 THEN 760
690 IF T>T2 THEN 770
692 K4=K4+1
700 K1(K)=1
710 IF Q$='A' THEN 760
720 R$=SEG(X$,L+4,1)
730 R=VAL(R$)
740 IF R1=R THEN 760
750 K1(K)=0
752 K4=K4-1
760 NEXT K
770 L9=K
780 IF L9<387 THEN 792
790 L9=386
792 PRINT 'Cases found = ';K4
794 PRINT
800 PRINT 'Would you like to specify values of the other descriptors ?'
810 PRINT '('Y' OR 'N').'
820 INPUT Y$
830 IF Y$='Y' THEN 860
840 IF Y$='N' THEN 2450
850 GO TO 810
860 PAGE
880 PRINT 'GEOPOLITICAL LOCATION'
882 PRINT
890 PRINT '1 = Present PRC (78 cases)'
900 PRINT '2 = Former PRC Territory (25 cases)'
910 PRINT '3 = Other PRC Claims (18 cases)'
920 PRINT '4 = PRC Border States (80 cases)'
930 PRINT '5 = States With Chinese Population (26 cases)'
940 PRINT '6 = Other USSR Border States (9 cases)'
950 PRINT '7 = Other Third World States (117 cases)'
960 PRINT '8 = Other States (31 cases)'
970 N=5
980 GOSUB 3130
990 PRINT 'SCOPE'
992 PRINT
1000 PRINT '0 = Domestic (88 cases)'
1010 PRINT '1 = International (298 cases)'
1020 N=8
1030 GOSUB 3130
1040 PRINT 'CRISIS DURATION'
1042 PRINT
1050 PRINT '1 = Short (<1 week : 179 cases)'
1060 PRINT '2 = Medium (8-30 days - 49 cases)'
1070 PRINT '3 = Long (31 days - 1 year - 97 cases)'
```

```
480 GO TO 660
490 S$='North America'
500 GO TO 660
510 S$='Central and South America'
520 GO TO 660
530 S$='Western Europe, Mediterranean, Atlantic'
540 GO TO 660
550 S$='Eastern Europe, USSR'
560 GO TO 660
570 S$='Mideast, North Africa'
580 GO TO 660
590 S$='SE Asia, Indian Ocean, Subsaharan Africa'
600 GO TO 660
610 S$='Pacific Area, East Asia'
620 GO TO 660
630 S$='The Polar Regions'
640 GO TO 660
650 S$='Space'
660 PRINT @D: USING 670:S$
670 IMAGE 'CRISIS LOCATION',10X,': ',40A
680 A$=SEG(U$,5,1)
690 A=VAL(A$)+1
700 GO TO A OF 710,730,750,770,790,810,830,850,870
710 C$='N/A'
720 GO TO 880
730 C$='Present PRC'
740 GO TO 880
750 C$='Former PRC Territory'
760 GO TO 880
770 C$='Other PRC Claims'
780 GO TO 880
790 C$='PRC Border States'
800 GO TO 880
810 C$='States with Chinese Population'
820 GO TO 880
830 C$='Other USSR Border States'
840 GO TO 880
850 C$='Other Third World States'
860 GO TO 880
870 C$='Other States'
880 PRINT @D: USING 890:C$
890 IMAGE 'GEOPOLITICAL LOCATION    : ',40A
900 A$=SEG(U$,8,1)
910 A=VAL(A$)+1
920 GO TO A OF 930,950
930 C$='Domestic'
940 GO TO 960
950 C$='International'
960 PRINT @D: USING 970:C$
970 IMAGE 'SCOPE            ',10X,': ',40a
980 A$=SEG(U$,3,1)
990 A=VAL(A$)+1
1000 GO TO A OF 1010,1030,1050,1070,1090
1010 C$='N/A'
1020 GO TO 1100
1030 C$='Short (< one week)'
1040 GO TO 1100
1050 C$='Medium (8-30 days)'
1060 GO TO 1100
1070 C$='Long (31 days - 1 year)'
1080 GO TO 1100
1090 C$='Extra Long (> one year)'
1100 PRINT @D: USING 1110:C$
1110 IMAGE 'DURATION        ',10X,': ',40A
1120 A$=SEG(U$,6,1)
1130 A=VAL(A$)
```

155

```
1140 GO TO A OF 1150,1170,1190,1200
1150 C$='Potential/Threat of'
1160 GO TO 1210
1170 C$='Attempted'
1180 GO TO 1210
1190 C$='Successful'
1200 C$='Other'
1210 PRINT @D: USING 1220:C$
1220 IMAGE 'CHARACTER       ',10X,': ',40A
1230 A$=SEG(U$,7,1)
1240 A=VAL(A$)+1
1250 GO TO A OF 1260,1280,1300,1320,1340,1360,1380,1400,1420
1260 C$='Domestic Crisis'
1270 GO TO 1430
1280 C$='Riot, Disorder'
1290 GO TO 1430
1300 C$='Revolt'
1310 GO TO 1430
1320 C$='War of Natl Liber'
1330 GO TO 1430
1340 C$='Coup'
1350 GO TO 1430
1360 C$='Structural Change'
1370 GO TO 1430
1380 C$='Border Incident'
1390 GO TO 1430
1400 C$='War'
1410 GO TO 1430
1420 C$='Conflict Short of War'
1430 PRINT @D: USING 1440:C$
1440 IMAGE 'TYPE',21x,': ',40a
1450 A$=SEG(U$,12,1)
1460 A=VAL(A$)
1470 GO TO A OF 1480,1500,1520,1540,1560,1580
1480 C$='N/A-Internal Crisis'
1490 GO TO 1590
1500 C$='Two or More Large Powers'
1510 GO TO 1590
1520 C$='Large/Middle Powers'
1530 GO TO 1590
1540 C$='Large/Small Powers'
1550 GO TO 1590
1560 C$='Middle/Small Powers'
1570 GO TO 1590
1580 C$='Small/Small Powers'
1590 PRINT @D: USING 1600:C$
1600 IMAGE 'ACTOR MIX       ',10X,': ',30A
1610 A$=SEG(U$,9,1)
1620 A=VAL(A$)+1
1630 GO TO A OF 1640,1660,1680
1640 C$='Non-Violent Events'
1650 GO TO 1690
1660 C$='Violent Events-Property Damaged'
1670 GO TO 1690
1680 C$='Violent Events-People Injured'
1690 PRINT @D: USING 1700:C$
1700 IMAGE 'VIOLENCE LEVEL ',10X,': ',40A
1710 A$=SEG(U$,10,1)
1720 A=VAL(A$)+1
1730 GO TO A OF 1740,1760,1780
1740 C$='N/A'
1750 GO TO 1790
1760 C$='Potential'
1770 GO TO 1790
1780 C$='Actual'
1790 PRINT @D: USING 1800:C$
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156

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1800 IMAGE 'STRATEGIC CONFRONTATION  : ',40A
1810 A$=SEG(U$,11,1)
1820 A=VAL(A$)+1
1830 GO TO A OF 1840,1860,1880,1900
1840 C$='N/A'
1850 GO TO 1910
1860 C$='Well-Being Threatened'
1870 GO TO 1910
1880 C$='Political Independence Threatened'
1890 GO TO 1910
1900 C$='Survival Threatened'
1910 PRINT @D: USING 1920:C$
1920 IMAGE 'PERCEIVED THREAT TO CPs', 2X,': ',40a
1930 A$=SEG(U$,21,1)
1940 A=VAL(A$)+1
1950 GO TO A OF 1960,1980
1960 C$='Neglisible/Highly Limited'
1970 GO TO 1990
1980 C$='Substantial'
1990 PRINT @D: USING 2000:C$
2000 IMAGE'CRISIS MGT CAPABILITIES  : ',40A
2010 PRINT @D:'CHINESE OBJECTIVES'
2020 A$=SEG(U$,19,1)
2030 A=VAL(A$)+1
2040 GO TO A OF 2050,2070,2090,2110,2130
2050 C$='Preserve Status Quo Ante'
2060 GO TO 2140
2070 C$='Restore Status Quo Ante'
2080 GO TO 2140
2090 C$='Change Status Quo Ante'
2100 GO TO 2140
2110 C$='Support Efforts to Change SQA'
2120 GO TO 2140
2130 C$='Indifference (Both Bad)'
2140 PRINT @D: USING 2150:C$
2150 IMAGE '  SUPPORTED SET',10X,': ',45A
2160 A$=SEG(U$,20,1)
2170 A=VAL(A$)+1
2180 GO TO A OF 2190,2210,2230,2250,2270
2190 C$='N/A'
2200 GO TO 2280
2210 C$='Oppose Efforts to Preserve SQA'
2220 GO TO 2280
2230 C$='Oppose Efforts to Restore SQA'
2240 GO TO 2280
2250 C$='Other'
2260 GO TO 2280
2270 C$='Indifference (Both Bad)'
2280 PRINT @D: USING 2290:C$
2290 IMAGE '  OPPOSED SET  ',10X,': ',40A
2300 A$=SEG(U$,15,1)
2310 A=VAL(A$)
2320 PRINT @D:'BEHAVIOR'
2330 GO TO A OF 2340,2360
2340 C$='Crisis Simply Noted'
2350 GO TO 2370
2360 C$='Goes Beyond Noting'
2370 PRINT @D: USING 2380:C$
2380 IMAGE '  VERBAL        ',10X,': ',40A
2390 A$=SEG(U$,16,1)
2400 A=VAL(A$)+1
2410 GO TO A OF 2420,2440,2460,2480,2500
2420 C$='Uncodable'
2430 GO TO 2510
2440 C$='Action Less Than Combat; No Details'
2450 GO TO 2510
```

157

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2460 C$='Action Less Than Combat;No Military Personnel'
2470 GO TO 2510
2480 C$='Action Less Than Combat;Military Present'
2490 GO TO 2510
2500 C$='Combat'
2510 PRINT @D: USING 2520:C$
2520 IMAGE '  PHYSICAL        ',10X,': ',45A
2530 A$=SEG(U$,22,1)
2540 A=VAL(A$)+1
2550 PRINT @D:'CRISIS OUTCOMES'
2560 GO TO A OF 2570,2590,2610,2630,2650,2670
2570 C$='Uncodable (Uncertain, Unresolved)'
2580 GO TO 2680
2590 C$='Favorable'
2600 GO TO 2680
2610 C$='Mixed;Chinese World View Confirmed'
2620 GO TO 2680
2630 C$='Mixed - In Functional Sense'
2640 GO TO 2680
2650 C$='Unfavorable'
2660 GO TO 2680
2670 C$='PRC Indifferent'
2680 PRINT @D: USING 2690:C$
2690 IMAGE '   FOR PRC       ',10X,': ',40A
2700 A$=SEG(U$,23,1)
2710 A=VAL(A$)+1
2720 IF A<9 THEN 2750
2730 C$='N/A'
2740 GO TO 2850
2750 GO TO A OF 2760,2780,2780,2800,2820,2840
2760 C$='Uncodable (No PRC Ally)'
2770 GO TO 2850
2780 C$='Favorable'
2790 GO TO 2850
2800 C$='Mixed'
2810 GO TO 2850
2820 C$='Unfavorable'
2830 GO TO 2850
2840 C$='Ally Indifferent'
2850 PRINT @D: USING 2860:C$
2860 IMAGE '   FOR PRC CLIENT,ALLY',4X,': ',40A
2870 A$=SEG(U$,24,1)
2880 A=VAL(A$)+1
2890 IF A<? THEN 2920
2900 C$='N/A'
2910 GO TO 3000
2920 GO TO A OF 2930,2950,2970,2990
2930 C$='Uncodable (Unknown,Unresolved)'
2940 GO TO 3000
2950 C$='Favorable'
2960 GO TO 3000
2970 C$='Mixed'
2980 GO TO 3000
2990 C$='Unfavorable'
3000 PRINT @D:'   FOR OTHER SUPPORTED'
3010 IMAGE '   STATES               : ',40A
3020 PRINT @D: USING 3010:C$
3030 MOVE 0,8
3040 PRINT 'Another Crisis (Y or N) ?';
3050 INPUT A$
3060 IF A$='n' THEN 3090
3070 IF A$='y' THEN 250
3080 GO TO 3040
3090 PRINT 'Press CONTINUE (Key No. 5) to return to the Introduction.
3100 END
```

158

TWO SIDED AID

```
1 GO TO 100
4 A=5
5 B=9
6 C=11
7 GO TO 88
8 A=6
9 B=12
10 C=14
11 GO TO 88
12 A=7
13 B=17
14 C=19
15 GO TO 88
16 A=8
17 B=20
18 C=22
19 GO TO 88
20 PRINT 'Outcomes Data not available for this Aid'
21 END
24 IF KO=0 THEN 460
25 IF KO=1 THEN 1030
26 IF KO=2 THEN 680
27 IF KO>2 THEN 70
28 GO TO 1030
32 PRINT 'Program not available.'
33 END
36 GO TO 32
40 NO=4
41 GO TO 96
44 NO=9
45 GO TO 96
48 NO=12
49 GO TO 96
52 NO=17
53 GO TO 96
56 NO=20
57 GO TO 96
60 GO TO 32
70 IF KO=3 THEN 1370
71 END
80 FIND 3
81 SAVE
82 PRINT 'Saved on 3'
83 END
88 NO=A
89 IF KO=3 THEN 96
90 NO=C
91 IF KO=4 THEN 96
92 NO=B
93 IF KO=5 THEN 96
94 PRINT 'Error: KO=',KO
95 END
96 FIND NO
97 OLD
98 RUN
99 END
100 DIM Z$(26),K$(316)
110 Y=80
120 D=5
130 PAGE
140 T$='C R I S I S   M A N A G E M E N T   E X E C U T I V E   A I D'
150 PRINT ...
```

```
160 Y=Y-2*D
170 T$='Developed By'
180 GOSUB 410
190 Y=Y-D
200 T$='CACI, Inc.-Federal'
210 GOSUB 410
220 Y=Y-2*D
230 T$='For'
240 GOSUB 410
250 Y=Y-D
260 T$='DARPA'S Cybernetics Technology Office'
270 GOSUB 410
280 Y=Y-D*2
290 T$='Under Contract No. N00014-77-C-0135'
300 GOSUB 410
301 Y=Y-D*4
302 T$='Two-Sided Aid'
304 GOSUB 410
310 MOVE 4.5,4.5
320 PRINT @32,20:4.5,98,128,98,128,4.5,4.5,4.5
330 MOVE 3,3
340 PRINT @32,20:3,99.5,129.5,99.5,129.5,3,3,3
350 FOR L=1 TO 60
360 X=SQR(9999)
370 NEXT L
380 KO=0
390 GO TO 460
400 REM***Subroutine to center and print line***
410 L=LEN(T$)
420 X=(130-L*1.81)/2
430 MOVE X,Y
440 PRINT T$
450 RETURN
460 Z$='Press CONTINUE (Key No. 6)'
470 PAGE
480 MOVE 30,95
490 PRINT 'TWO-SIDED CRISIS MANAGEMENT EXECUTIVE AID'
500 MOVE 20,84
510 PRINT 'This aid consists of data on ninety crises (1966-1975)'
520 MOVE 20,78
530 PRINT 'involving the U.S. and the Soviet Union  and retrieval'
540 MOVE 20,72
570 PRINT 'Programs that will allow you to examine them.'
580 MOVE 20,60
590 PRINT 'Program operations are controlled by the Program Keys'
600 MOVE 20,54
610 PRINT '(upper left keyboard) and by responses to questions'
620 MOVE 20,48
630 PRINT 'posed by the program.'
640 MOVE 20,3
650 PRINT Z$
660 KO=2
670 END
680 PAGE
690 MOVE 15,85
700 PRINT 'For this purpose, a CRISIS is defined as:'
710 MOVE 12,82
720 PRINT @32,20:107,82,107,76,12,76,12,82
730 MOVE 15,78
740 PRINT ''A period of unusual military management activity.''
750 MOVE 15,64
760 PRINT 'Two procedures are available to you:'
770 MOVE 25,55
780 PRINT '(1) SELECTION OF CRISES FOR EXAMINATION'
800 MOVE 32,50
```

```
820 MOVE 32,47
830 PRINT 'o By a search for key-words in the titles'                3 - 3
840 MOVE 32,44
850 PRINT 'o By search for selected charactistics'
851 MOVE 62,41
852 PRINT '(U.S., USSR, or both)'
860 MOVE 25,32
870 PRINT '(2) EXAMINATION OF SELECTED CRISES'
890 MOVE 32,27
900 PRINT 'o By printing the Titles'
910 MOVE 32,24
920 PRINT 'o                    Descriptors'
930 MOVE 32,21
940 PRINT 'o                    Actions'
950 MOVE 32,18
960 PRINT 'o                    Objectives'
970 MOVE 32,15
980 PRINT 'o                    Problems'
990 MOVE 10,5
1000 PRINT Z$
1010 KO=1
1020 END
1030 PAGE
1040 MOVE 20,90
1050 PRINT 'You may request two types of information :'
1070 MOVE 20,80
1080 PRINT 'o For general information, press HELP.'
1090 MOVE 20,74
1100 PRINT 'o For information about the individual data files and'
1110 MOVE 20,70
1120 PRINT '  and programs, press the desired Program Key.'
1130 MOVE 20,63
1140 PRINT 'o To proceed directly to crisis selection, press CONTINUE.'
1150 MOVE 20,55
1160 PRINT 'Summary of Program Keys'
1170 MOVE 30,49
1180 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
1190 MOVE 30,45
1200 PRINT 'o No. 2 - ACTIONS (Information)'
1210 MOVE 30,41
1220 PRINT 'o No. 3 - OBJECTIVES (Information)'
1230 MOVE 30,37
1240 PRINT 'o No. 4 - MANAGEMENT PROBLEMS (Information)'
1250 MOVE 30,33
1280 PRINT 'o No. 6 - CONTINUE (To crisis selection)'
1290 MOVE 30,29
1320 PRINT 'o No.10 - HELP (For general information)'
1330 MOVE 30,5
1340 PRINT 'Press Selected Program Key'
1350 KO=3
1360 END
1370 PAGE
1380 MOVE 20,90
1390 PRINT 'Use previously selected crisis set ? (Y or N) ';
1400 INPUT A$
1410 IF A$='N' THEN 1610
1420 MOVE 15,80
1430 PRINT 'Proceed to crisis examination by pressing desired Program ';
1440 PRINT 'Key.'
1450 KO=4
1460 MOVE 20,60
1470 PRINT 'Summary of Keys :'
1480 MOVE 30,50
1490 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
1500 MOVE 30,45
```

161

```
1520 MOVE 30,40
1530 PRINT 'o No. 3 - OBJECTIVES'                                    3 - 4
1540 MOVE 30,35
1550 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
1560 MOVE 30,30
1590 PRINT 'Press Selected Program Key'
1600 END
1610 MOVE 20,80
1620 PRINT 'Crisis Selection - By Id. no. ? (Y or N) ';
1630 INPUT A$
1640 IF A$='Y' THEN 1860
1650 MOVE 20,75
1660 PRINT '                    By Key-Word Search ? (Y or N) ';
1670 INPUT A$
1680 IF A$='N' THEN 1710
1690 NO=26
1700 GO TO 89
1710 MOVE 20,70
1720 PRINT '                    By Selected Characteristics ?(Y or N) ';
1730 INPUT A$
1740 IF A$='n' THEN 1780
1750 KO=5
1760 MOVE 15,60
1770 GO TO 1460
1780 MOVE 15,60
1790 PRINT 'You must choose one of these ways of crisis selection.'
1800 FOR K=1 TO 40
1810 B=SQR(9999)
1820 NEXT K
1830 GO TO 1370
1840 KO=4
1850 END
1860 PAGE
1870 K$=''
1880 FOR K=1 TO 315
1890 K$=REP('0',K,0)
1900 NEXT K
1910 MOVE 20,90
1920 PRINT 'Selection by Crisis Id. No. (See Crisis list in'
1930 MOVE 20,85
1940 PRINT 'User's Manual.)'
1950 MOVE 20,80
1960 Q$='Enter Id. No. '
1970 P$='(1-90); End by entering 0.'
1980 W$=Q$&P$
1990 PRINT W$
2000 INPUT A$
2010 IF A$='0' THEN 2050
2020 N=VAL(A$)
2030 K$=REP('1',N,1)
2040 GO TO 2000
2050 FIND 15
2060 WRITE @33:K$
2070 PAGE
2080 MOVE 40,95
2090 PRINT 'Selection finished.'
2100 GO TO 1420
2110 END
```

```
1 GO TO 100
4 NO=5
5 GO TO 90
8 NO=6
9 GO TO 90
12 NO=7
13 GO TO 90
16 NO=8
17 GO TO 90
20 PRINT 'Program not available.'
21 END
24 IF KO=1 THEN 156
25 IF KO=2 THEN 194
26 IF KO=3 THEN 276
27 IF KO>3 THEN 70
28 GO TO 306
32 GO TO 20
36 GO TO 20
40 NO=3
41 GO TO 90
44 NO=9
45 GO TO 90
48 NO=12
49 GO TO 90
52 NO=17
53 GO TO 90
56 NO=20
57 GO TO 90
60 GO TO 20
80 FIND 4
81 SAVE
82 PRINT 'Saved on 4'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(26)
102 Z1=6
104 Z$='Press CONTINUE (Key No. 6)'
106 PAGE
108 MOVE 30,90
110 PRINT 'GENERAL INFORMATION'
112 MOVE 0,80
114 PRINT 'The Crisis Management Aid consists of four cassettes :'
116 PRINT
118 PRINT '              o The U.S. Section    (315 crises 1946-1976)'
120 PRINT '              o The Soviet Section  (386 crises 1946-1975)'
122 PRINT '              o The PRC Section     (386 crises 1949-1978)'
124 PRINT '              o The Two-Sided Aid   ( 90 crises 1966-1975)'
126 PRINT
128 MOVE 10,60
130 PRINT 'You are currently executing the Two-Sided Aid.  All crises'
132 MOVE 10,55
134 PRINT 'involved the United States, the Soviet Union, or both.'
136 MOVE 10,45
138 PRINT 'This section consists of the set of programs listed in the'
140 MOVE 10,40
142 PRINT 'INTRODUCTION.'
144 MOVE 10,32
146 PRINT 'o To return to the INTRODUCTION, press HELP (Key No.10).'
148 MOVE 10,22
150 PRINT 'o For additional information, press CONTINUE (Key No. 6).'
```

163

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284 PRINT 'at this point will take you back to the INTRODUCTION.'      4 - 3
286 MOVE 20,65
288 PRINT 'If you want a program explained, press the appropriate'
290 MOVE 20,60
292 PRINT 'Program-Defined Key.'
294 MOVE 20,40
296 PRINT 'If the keys are not marked for you, press Key No. 7 to'
298 MOVE 20,35
300 PRINT 'list the definitions of the keys.'
302 K0=4
304 END
306 PAGE
308 MOVE 20,90
310 PRINT 'The Program Defined Keys are:'
312 MOVE 25,80
314 PRINT 'o No. 7 - REPEAT (This list of keys.)'
316 MOVE 25,74
318 PRINT 'o No.10 - HELP (To the INTRODUCTION).'
320 MOVE 15,62
322 PRINT 'The following keys will produce explanations of the data f';
324 PRINT 'iles :'
326 MOVE 25,56
328 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
330 MOVE 25,50
332 PRINT 'o No. 2 - ACTIONS (Information)'
334 MOVE 25,44
336 PRINT 'o No. 3 - OBJECTIVES (Information)'
338 MOVE 25,38
340 PRINT 'o No. 4 - PROBLEMS (Information)'
342 MOVE 10,5
344 PRINT 'Press Program Key.'
346 END
```

```
152 KO=1
154 END
156 PAGE
158 MOVE 10,90
160 PRINT 'You will control program operations by :'
162 MOVE 25,80
164 PRINT 'o Using the set of Program-Defined Keys'
166 MOVE 28,75
168 PRINT '(Upper left keyboard), and'
170 MOVE 25,65
172 PRINT 'o Answering the program's requests for information'
174 MOVE 28,60
176 PRINT 'by typing your responses at the keyboard.'
178 MOVE 5,50
180 PRINT '(NOTE: The RETURN Key is pressed after each keyboard entry.'
182 MOVE 5,47
184 PRINT '          It is not used with the Program-Defined Keys.)'
186 MOVE 10,5
188 PRINT Z$
190 KO=2
192 END
194 PAGE
196 MOVE 0,95
198 PRINT 'To correct errors:'
200 PRINT
202 PRINT '        Keyboard entries- '
204 PRINT
206 PRINT '                    BEFORE pressing RETURN :'
208 PRINT '                    -----------------------'
210 PRINT '                        RUB/OUT will remove single characters;'
212 PRINT '                        CLEAR will delete the entire entry.'
214 PRINT
216 PRINT '                    AFTER  pressing RETURN :'
218 PRINT '                    -----------------------'
220 PRINT '                        BREAK will halt program execution.'
222 PRINT
224 PRINT '                        Program Key No. 7 will rerun the'
226 PRINT '                        current program.'
228 PRINT
230 PRINT '                        CONTINUE (Key No. 6) may take you'
232 PRINT '                        back to the INTRODUCTION.'
234 GIN X,Y
236 MOVE 0,Y-6
238 PRINT '        Program-Defined keys-'
240 PRINT
242 PRINT '                        Recovery depends on which key was pre';
244 PRINT 'ssed'
246 PRINT '                        and at what stage of the program.'
248 PRINT '                        You may try the BREAK/Key No. 6 com';
250 PRINT 'bination'
252 PRINT '                        (See above.)'
254 PRINT '                        If this does not produce what you wan';
256 PRINT 't,'
258 PRINT '                        typing the commands FIND 3 (RETURN)'
260 PRINT '                                            OLD   (RETURN)'
262 PRINT '                                            RUN   (RETURN)'
264 PRINT '                        will always take you back to the';
266 PRINT ' INTRODUCTION'
268 MOVE 20,5
270 PRINT Z$
272 KO=3
274 END
276 PAGE
278 MOVE 20,90
280 PRINT 'You are now executing the HELP program; pressing HELP'
```

```
1 GO TO 100
4 NO=11
5 GO TO 90
8 NO=14
9 GO TO 90
12 NO=19
13 GO TO 90
16 NO=22
17 GO TO 90
20 PRINT 'Prosram not available.'
21 END
24 IF KO=1 THEN 184
25 IF KO=2 THEN 298
26 IF KO=3 THEN 408
27 IF KO=4 THEN 514
28 NO=3
29 GO TO 90
32 GO TO 20
36 GO TO 20
40 NO=3
41 GO TO 90
44 NO=9
45 GO TO 90
48 NO=12
49 GO TO 90
52 NO=17
53 GO TO 90
56 NO=20
57 GO TO 90
60 GO TO 20
80 FIND 5
81 SAVE
82 PRINT 'Saved on 5'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(26)
102 Z$='Press CONTINUE (Key No. 6)'
104 D=20
106 PAGE
108 MOVE 30,95
110 PRINT 'The DESCRIPTORS File'
112 MOVE 20,85
114 PRINT 'The crisis descriptors coded for each crisis and'
116 MOVE 20,81
118 PRINT 'their allowed levels are :'
120 MOVE 20,75
122 PRINT ' 1. CRISIS LOCATION (JCS Regions)'
124 MOVE 20,72
126 PRINT '      1 = North America'
128 MOVE 20,69
130 PRINT '      2 = Central and South America'
132 MOVE 20,66
134 PRINT '      3 = Western Europe, Mediterranean, Atlantic'
136 MOVE 20,63
138 PRINT '      4 = Eastern Europe and the Soviet Union'
140 MOVE 20,60
142 PRINT '      5 = Middle East and North Africa'
144 MOVE 20,57
146 PRINT '      6 = South Asia, Indian Ocean, and Sub-Saharan Africa'
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150 PRINT '      7 = Pacific and East Asia'
152 MOVE 20,51
154 PRINT '      8 = Polar Regions (Arctic and Antarctic)'
156 MOVE 20,48
158 PRINT '      9 = Space'
160 MOVE 20,45
162 PRINT '     10 = The 'World', Multiple'
164 MOVE 20,35
166 PRINT ' 2. SCOPE'
168 MOVE 20,32
170 PRINT '      1 = Domestic'
172 MOVE 20,28
174 PRINT '      2 = International'
176 MOVE 30,5
178 PRINT Z$
180 KO=1
182 END
184 PAGE
186 MOVE 20,95
188 PRINT ' 3. ACTOR MIX'
190 MOVE 20,92
192 PRINT '      1 = Internal'
194 MOVE D,89
196 PRINT '      2 = Two or more Large Powers'
198 MOVE D,86
200 PRINT '      3 = Large/Small Power Mix'
202 MOVE D,83
204 PRINT '      4 = Small/Small Power Mix'
206 MOVE D,77
208 PRINT ' 4. CHARACTER'
210 MOVE D,74
212 PRINT '      1 = Potential, Threat of'
214 MOVE D,71
216 PRINT '      2 = Attempted, Unsuccessful'
218 MOVE D,68
220 PRINT '      3 = Actual, Perceived, Successful'
222 MOVE D,65
224 PRINT '      4 = Other (Explanation Included)'
226 MOVE D,59
228 PRINT ' 5. TYPE'
230 MOVE D,56
232 PRINT '      1 = Dangerous Domestic Trend, Events'
234 MOVE D,53
236 PRINT '      2 = Riot, Other Civil Disorder'
238 MOVE D,50
240 PRINT '      3 = Uprising, Revolt, Insurgency'
242 MOVE D,47
244 PRINT '      4 = War of National Liberation'
246 MOVE D,44
248 PRINT '      5 = Coup d'Etat'
250 MOVE D,41
252 PRINT '      6 = Structural Change (Shift in political alignment,'
254 MOVE D,38.5
256 PRINT '          formation of alliance), Dangerous International'
258 MOVE D,36
260 PRINT '          Trend, Events'
262 MOVE D,33
264 PRINT '      7 = Border Incidents, Dispute'
266 MOVE D,30
268 PRINT '      8 = Foreign Intervention, Conflict Short of War'
270 MOVE D,27
272 PRINT '      9 = War (Declared or otherwise)'
274 MOVE D,24
276 PRINT '     10 = Other (To be explained)'
278 MOVE D,18
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167

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282 MOVE D,15
284 PRINT '     1 = Non-Violent'
286 MOVE D,12
288 PRINT '     2 = Violent (Personal injuries, property destruction)'
290 MOVE 30,5
292 PRINT Z$
294 K0=2
296 END
298 PAGE
300 MOVE D,95
302 PRINT ' 7. STRATEGIC CONFRONTATION'
304 MOVE D,92
306 PRINT '     1 = None'
308 MOVE D,89
310 PRINT '     2 = Potential'
312 MOVE D,86
314 PRINT '     3 = Actual'
316 MOVE D,80
318 PRINT ' 8. THREAT TO U.S. INTERESTS'
320 MOVE D,77
322 MOVE D,71
324 MOVE D,74
326 PRINT '     2 = Moderate'
328 MOVE D,71
330 PRINT '     3 = Severe'
332 MOVE D,65
334 PRINT ' 9. THREAT TO SOVIET INTERESTS'
336 MOVE D,62
338 PRINT '     1 = None'
340 MOVE D,59
342 PRINT '     2 = Moderate'
344 MOVE D,56
346 PRINT '     3 = Severe'
348 MOVE D,50
350 PRINT '10. DURATION (U.S.)'
352 MOVE D,47
354 PRINT '     1 = Short (Less than 7 days)'
356 MOVE D,44
358 PRINT '     2 = Moderate (Between 7 and 30 days)'
360 MOVE D,41
362 PRINT '     3 = Extended (Greater then 30 days)'
364 MOVE D,35
366 PRINT '11. DURATION (SOVIET)'
368 MOVE D,32
370 PRINT '     1 = Short (Less than 7 days)'
372 MOVE D,29
374 PRINT '     2 = Moderate (Between 7 and 30 days)'
376 MOVE D,26
378 PRINT '     3 = Lons (Between a month and a year)'
380 MOVE D,23
382 PRINT '     4 = Extra Lons (Over a year)'
384 MOVE D,17
386 PRINT '12. U.S. OBJECTIVES'
388 MOVE D,14
390 PRINT '     1 = None'
392 MOVE D,11
394 PRINT '     2 = Maintain, Restore Status Quo'
396 MOVE D,8
398 PRINT '     3 = Chanse previous status'
400 MOVE 30,5
402 PRINT Z$
404 K0=3
406 END
408 PAGE
410 MOVE D,95
412 PRINT '13. SOVIET OBJECTIVES'
```

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546 PRINT '      3 = Unfavorable'
548 MOVE D,68
550 PRINT '      4 = USSR Indifferent to Outcome'
552 MOVE D,50
554 PRINT 'Press Key 7 to return to Introduction'
556 END
```

```
414 MOVE D,92
416 PRINT '     1 = Preserve Status Quo Ante'
418 MOVE D,89
420 PRINT '     2 = Restore Status Quo Ante'
422 MOVE D,86
424 PRINT '     3 = Change Status Quo Ante'
426 MOVE D,83
428 PRINT '     4 = Other (To be explained)'
430 MOVE D,80
432 PRINT '     5 = None'
434 MOVE D,74
436 PRINT '14. U.S. BEHAVIOR'
438 MOVE D,71
440 PRINT '     1 = Non-Involvment '
442 MOVE D,68
444 PRINT '     2 = Mediation'
446 MOVE D,65
448 PRINT '     3 = Assistance (Military or political)'
.450 MOVE D,62
452 PRINT '     4 = Direct (Personnel beyond advisor level involved)'
454 MOVE D,59
456 PRINT '     5 = Direct confrontation with another nation'
458 MOVE D,53
460 PRINT '15. SOVIET BEHAVIOR - VERBAL'
462 MOVE D,50
464 PRINT '     1 = USSR Notes Existence of Events/Situation'
466 MOVE D,47
468 PRINT '     2 = Verbal Activities (Writings, speeches, propaganda,'
470 MOVE D,44.5
472 PRINT '         diplomacy)'
474 MOVE D,41.5
476 PRINT '     3 = Threats (Serious warnings implying Soviet/allied'
478 MOVE D,39
480 PRINT '         response)'
482 MOVE D,33
484 PRINT '16. SOVIET BEHAVIOR - PHYSICAL'
486 MOVE D,30
488 PRINT '     1 = No Data'
490 MOVE D,27
492 PRINT '     2 = No Combat Action- No Details Available'
494 MOVE D,24
496 PRINT '     3 = No Combat Action - No Military Personnel in Area'
498 MOVE D,21
500 PRINT '     4 = No Combat Action - Military Personnel in Area'
502 MOVE D,18
504 PRINT '     5 = Combat Involving Soviet Military Personnel'
506 MOVE 30,5
508 PRINT Z$
510 K0=4
512 END
514 PAGE
516 MOVE D,95
518 PRINT '17. CRISIS OUTCOME - U.S.'
520 MOVE D,92
522 PRINT '     1 = Positive (Objectives advanced)'
524 MOVE D,89
526 PRINT '     2 = No Change'
528 MOVE D,86
530 PRINT '     3 = Negative (Objectives damaged)'
532 MOVE D,80
534 PRINT '18. CRISIS OUTCOME - USSR'
536 MOVE D,77
538 PRINT '     1 = Favorable'
540 MOVE D,74
542 PRINT '     2 = Mixed'
```

```
1 GO TO 100
'24 IF KO=1 THEN 378
25 IF KO=2 THEN 618
26 IF KO=3 THEN 930
40 FIND 3
41 OLD
42 RUN
43 END
80 FIND 6
81 SAVE
82 PRINT 'Saved on 6'
83 END
100 PAGE
102 DIM Z$(26)
104 Z$='Press CONTINUE (Key No. 6)'
110 MOVE 5,99
120 PRINT 'U.S. and Soviet ACTIONS coded for these crises are :'
130 MOVE 0,90
140 PRINT 'B  1. Commit land forces to combat'
150 PRINT 'B  2. Commit sea forces to combat'
160 PRINT 'B  3. Commit air forces to combat'
170 PRINT 'B  4. Commit support services (land)'
180 PRINT 'B  5. Commit support services (sea)'
182 PRINT 'B  6. Commit support services (air)'
190 PRINT 'B  7. Reposition land forces'
200 PRINT 'B  8. Reposition sea forces'
220 PRINT 'B  9. Reposition air forces'
230 PRINT 'B 10. Threaten nuclear forces as a deterrent'
240 PRINT 'B 11. Redeploy nuclear forces as a deterrent'
250 PRINT 'B 12. Change alert status of nuclear forces'
260 PRINT 'B 13. Threaten nonnuclear forces as a deterrent'
270 PRINT 'B 14. Redeploy nonnuclear forces as a deterrent'
280 PRINT 'B 15. Change alert status of nonnuclear forces'
290 PRINT 'B 16. Redeploy peacekeeping forces'
300 PRINT 'B 17. Show of military force'
310 PRINT 'B 18. Military blockade or quarantine'
320 PRINT 'B 19. Isolated military contact'
330 PRINT 'B 20. Military forces used for search and rescue'
340 PRINT 'B 21. Military intelligence collection'
350 PRINT 'B 22. Military intelligence dissemination to an ally'
360 PRINT 'B 23. Military intelligence provided to an antagonist'
361 PRINT 'B 24. Military maneuvers or training exercises'
362 MOVE 0,15
364 PRINT 'B = Action coded for both U.S. and USSR'
372 MOVE 20,5
373 PRINT Z$
374 KO=1
376 END
378 PAGE
380 PRINT 'B 25. Improve, maintain force readiness'
390 PRINT 'B 26. Covert military operation'
400 PRINT 'B 27. Military intervention between combatants'
410 PRINT 'B 28. Airlift personnel and/or supplies and equipment'
420 PRINT 'B 29. Provide military advisory assistance'
430 PRINT 'B 30. Provide military training for combat troops'
440 PRINT 'B 31. Provide other military training'
450 PRINT 'B 32. Drawdown military equipment from units'
460 PRINT 'B 33. Provide supplies from depots'
470 PRINT 'B 34. Provide supplies from non-military sources'
480 PRINT 'B 35. Provide military maintenance assistance'
490 PRINT 'B 36. Provide other military logistics assistance'
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510 PRINT 'B 38. Make pol/eco commitment implying new mil mission' 6 - 2
520 PRINT 'B 39. Undertake a new military mission'
530 PRINT 'B 40. Accept a new military cost'
540 PRINT 'B 41. Modify an existing defense treaty'
550 PRINT 'B 42. Modify an existing base rights treaty'
560 PRINT 'B 43. Modify an existing status of forces agreement'
570 PRINT 'B 44. Seek assistance in decision-making'
580 PRINT 'B 45. Take no military action'
590 PRINT 'B 46. Employ diplomacy'
600 PRINT 'B 47. Mediate a dispute'
601 PRINT 'B 48. Threaten to, or actually, withdraw support'
602 MOVE 0,15
604 PRINT 'B = Action coded for both U.S. and USSR'
612 MOVE 20,5
614 PRINT Z$
616 KO=2
617 END
618 PAGE
620 PRINT 'B 49. Advocate/support peacekeeping efforts'
630 PRINT 'B 50. Improve scientific/technical capabilities'
640 PRINT 'B 51. Reaffirm existing political/military commitment'
650 PRINT 'B 53. Lodge protest(s)'
660 PRINT 'B 53. Other'
670 PRINT 'B 54. Acts alone'
680 PRINT 'B 55. Acts with one other nation'
690 PRINT 'B 56. Acts with two or more other nations'
700 PRINT 'B 57. United Nations involved'
710 PRINT 'S 58. Military intervention in a Marxist-Leninist state'
720 PRINT 'S 59. Cooperative intervention in a third world state'
730 PRINT 'S 60. Joint operation with Marxist-Leninist state(s)'
740 PRINT 'S 61. UN veto'
750 PRINT 'S 62. UN resolution and/or amendments'
760 PRINT 'S 63. UN speeches and/or letters'
770 PRINT 'S 64. Support existing regime'
790 PRINT 'S 66. Support anti-regime CP or CP movement'
800 PRINT 'S 67. Provide political/propaganda support'
810 PRINT 'S 68. Provide economic assistance'
820 PRINT 'S 69. Provide crisis-related military aid'
830 PRINT 'S 70. Use of military forces to support political goals'
840 PRINT 'S 71. Use of WP, CMEA to support political goals'
850 PRINT 'S 72. Use of organizations other than UN, WP, CMEA'
860 MOVE 0,15
870 PRINT 'B = Action coded for both U.S. and USSR'
880 PRINT 'S = Action coded for USSR only'
890 MOVE 20,5
900 PRINT Z$
910 KO=3
920 END
930 PAGE
940 MOVE 20,60
950 PRINT 'All ACTIONS printed.'
955 MOVE 20,55
960 PRINT ' Press Key No. 10 to return to the Introduction.'
970 END
```

```
1 GO TO 100
4 NO=11
5 GO TO 90
8 NO=14
9 GO TO 90
12 NO=19
13 GO TO 90
16 NO=22
17 GO TO 90
20 PRINT 'Not available.'
21 END
24 IF KO=1 THEN 154
25 IF KO=2 THEN 240
26 IF KO=3 THEN 386
27 IF KO>3 THEN 70
28 GO TO 100
36 GO TO 20
40 NO=3
41 GO TO 90
44 NO=9
45 GO TO 90
48 NO=12
49 GO TO 90
52 NO=17
53 GO TO 90
56 NO=20
57 GO TO 90
60 GO TO 20
70 IF KO=4 THEN 544
71 IF KO=5 THEN 682
72 IF KO=6 THEN 3349
80 FIND 9
81 SAVE
82 PRINT 'On 9'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(23),L(18),X$(3240),K(90),L$(181)
102 Z$='Press CONTINUE (No. 6)'
104 D=20
106 A=4
108 PAGE
110 YO=90
112 MOVE D,YO+5
114 PRINT 'SELECTION BY DESCRIPTORS'
116 MOVE D,YO-3*2
118 PRINT 'o Full crisis set ? ';
120 INPUT N$
122 IF N$='N' THEN 126
124 K9=1
126 MOVE D,YO-3*4
128 PRINT 'o The Crisis Descriptors will be listed .'
130 MOVE D,YO-3*6
132 PRINT 'o Please type Y or N or P by each.'
134 MOVE D+10,YO-3*8
136 PRINT 'Y -> YES, Select crises by this descriptor.'
138 MOVE D+10,YO-3*10
140 PRINT 'N -> NO, Ignore this descriptor.'
142 MOVE D+10,YO-3*12
144 PRINT 'P -> PROCEED, Go directly to file search.'
```

```
148 PRINT Z$
150 K0=1
152 END
154 PAGE
156 L=0
158 Y0=90
159 D=28
160 MOVE D-8,Y0+2
162 PRINT ' 1. CRISIS LOCATION (JCS Regions) ? ';
164 GOSUB 748
166 IF N$='N' THEN 212
168 MOVE D,Y0-3
170 PRINT '1 = North America'
172 MOVE D,Y0-6
174 PRINT '2 = Central,South America'
176 MOVE D,Y0-9
178 PRINT '3 = W Europe,Mediterranean,Atlantic'
180 MOVE D,Y0-12
182 PRINT '4 = E Europe,Soviet Union'
184 MOVE D,Y0-15
186 PRINT '5 = Middle East,N Africa'
188 MOVE D,Y0-18
190 PRINT '6 = S Asia,Indian Ocean,Sub-Saharan Africa'
192 MOVE D,Y0-21
194 PRINT '7 = Pacific,E Asia'
196 MOVE D,Y0-24
198 PRINT '8 = Polar Regions'
200 MOVE D,Y0-27
202 PRINT '9 = Space'
204 MOVE D,Y0-30
206 PRINT '10= The 'World''
208 PRINT 'Enter REGION Code ';
210 INPUT L(1)
212 MOVE D-8,Y0-40
214 PRINT ' 2. SCOPE ? ';
216 GOSUB 748
218 IF N$='N' THEN 232
220 MOVE D,Y0-43
222 PRINT '1 = Domestic'
224 MOVE D,Y0-46
226 PRINT '2 = International'
228 PRINT 'Enter SCOPE Code ';
230 INPUT L(2)
232 MOVE 30,5
234 PRINT Z$
236 K0=2
238 END
240 PAGE
242 MOVE D-8,95
244 PRINT '3. ACTOR MIX ? ';
246 GOSUB 748
248 IF N$='n' THEN 270
250 MOVE D,92
252 PRINT '1 = Internal'
254 MOVE D,89
256 PRINT '2 = Two or More Large Powers'
258 MOVE D,86
260 PRINT '3 = Large/Small Power Mix'
262 MOVE D,83
264 PRINT '4 = Small/Small Power Mix'
266 PRINT 'Enter ACTOR Code ';
268 INPUT L(3)
270 MOVE D-8,77
272 PRINT ' 4. CHARACTER ?';
274 GOSUB 748
```

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278 MOVE D,74
280 PRINT '1 = Potential, Threat of'
282 MOVE D,71
284 PRINT '2 = Attempted, Unsuccessful'
286 MOVE D,68
288 PRINT '3 = Actual, Perceived, Successful'
290 MOVE D,65
292 PRINT '4 = Other'
294 PRINT 'Enter CHARACTER Code ';
296 INPUT L(4)
298 MOVE D-8,59
300 PRINT ' 5. TYPE ? ';
302 GOSUB 748
304 IF N$='n' THEN 358
306 MOVE D,56
308 PRINT '1 = Dangerous Domestic Trend, Events'
310 MOVE D,53
312 PRINT '2 = Riot, Civil Disorder'
314 MOVE D,50
316 PRINT '3 = Uprising, Revolt, Insurgency'
318 MOVE D,47
320 PRINT '4 = War of National Liberation'
322 MOVE D,44
324 PRINT '5 = Coup d'Etat'
326 MOVE D,41
328 PRINT '6 = Structural Change'
338 MOVE D,38
340 PRINT '7 = Border Incidents, Dispute'
342 MOVE D,35
344 PRINT '8 = Foreign Intervention, Conflict Short of War'
346 MOVE D,32
348 PRINT '9 = War'
350 MOVE D,29
352 PRINT '10= Other'
354 PRINT 'Enter CRISIS TYPE Code ';
356 INPUT L(5)
358 MOVE D-8,23
360 PRINT ' 6. LEVEL OF VIOLENCE ? ';
362 GOSUB 748
364 IF N$='n' THEN 378
366 MOVE D,20
368 PRINT '1 = Non-Violent'
370 MOVE D,17
372 PRINT '2 = Violent (Injuries, destruction)'
374 PRINT 'Enter VIOLENCE LEVEL Code ';
376 INPUT L(6)
378 MOVE 30,5
380 PRINT Z$
382 KO=3
384 END
386 PAGE
388 MOVE D-8,100
390 PRINT ' 7. STRATEGIC CONFRONTATION ? ';
392 GOSUB 748
394 IF N$='N' THEN 412
396 MOVE D,97
398 PRINT '1 = None'
400 MOVE D,94
402 PRINT '2 = Potential'
404 MOVE D,91
406 PRINT '3 = Actual'
408 PRINT 'Enter CONFRONTATION Code ';
410 INPUT L(7)
412 MOVE D-8,85
414 PRINT ' 8. THREAT TO U.S. INTERESTS ? ';
```

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418 IF N$='N' THEN 436
420 MOVE D,82
422 PRINT '1 = None'
424 MOVE D,79
426 PRINT '2 = Moderate'
428 MOVE D,76
430 PRINT '3 = Severe'
432 PRINT 'Enter THREAT Code ';
434 INPUT L(8)
436 MOVE D-8,70
438 PRINT ' 9. THREAT TO SOVIET INTERESTS ? ';
440 GOSUB 748
442 IF N$='N' THEN 460
444 MOVE D,67
446 PRINT '1 = None'
448 MOVE D,64
450 PRINT '2 = Moderate'
452 MOVE D,61
454 PRINT '3 = Severe'
456 PRINT 'Enter THREAT Code ';
458 INPUT L(9)
460 MOVE D-8,55
462 PRINT '10. DURATION (U.S.) ? ';
464 GOSUB 748
466 IF N$='n' THEN 484
468 MOVE D,52
470 PRINT '1 = Short (Less than 7 days)'
472 MOVE D,49
474 PRINT '2 = Moderate (7-30 days)'
476 MOVE D,46
478 PRINT '3 = Extended (>30 days)'
480 PRINT 'Enter DURATION Code ';
482 INPUT L(10)
484 MOVE D-8,40
486 PRINT '11. DURATION (SOVIET) ? ';
488 GOSUB 748
490 IF N$='n' THEN 512
492 MOVE D,37
494 PRINT '1 = Short (<7 days)'
496 MOVE D,34
498 PRINT '2 = Moderate (7-30 days)'
500 MOVE D,31
502 PRINT '3 = Long (2-12 months)'
504 MOVE D,28
506 PRINT '4 = Extra Long (> year)'
508 PRINT 'Enter DURATION Code ';
510 INPUT L(11)
512 MOVE D-8,22
514 PRINT '12. U.S. OBJECTIVES ? ';
516 GOSUB 748
518 IF N$='n' THEN 536
520 MOVE D,19
522 PRINT '1 = None'
524 MOVE D,16
526 PRINT '2 = Maintain Status Quo'
528 MOVE D,13
530 PRINT '3 = Change previous status'
532 PRINT 'Enter OBJECTIVES Code ';
534 INPUT L(12)
536 MOVE 30,5
538 PRINT Z$
540 K0=4
542 END
544 PAGE
546 MOVE D-8,95
548 PRINT '13. SOVIET OBJECTIVES...
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176

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550 GOSUB 748
552 IF N$='n' THEN 578
554 MOVE D,92
556 PRINT '1 = Preserve Status Quo'
558 MOVE D,89
560 PRINT '2 = Restore Status Quo'
562 MOVE D,86
564 PRINT '3 = Change Status Quo'
566 MOVE D,83
568 PRINT '4 = Other'
570 MOVE D,80
572 PRINT '5 = None'
574 PRINT 'Enter OBJECTIVES Code ';
576 INPUT L(13)
578 MOVE D-8,74
580 PRINT '14. U.S. BEHAVIOR ? ';
582 GOSUB 748
584 IF N$='n' THEN 610
586 MOVE D,71
588 PRINT '1 = Non-Involvment '
590 MOVE D,68
592 PRINT '2 = Mediation'
594 MOVE D,65
596 PRINT '3 = Assistance (Military or political)'
598 MOVE D,62
600 PRINT '4 = Personnel beyond advisor level'
602 MOVE D,59
604 PRINT '5 = Direct confrontation with another nation'
606 PRINT 'Enter BEHAVIOR Code ';
608 INPUT L(14)
610 MOVE D-8,53
612 PRINT '15. SOVIET BEHAVIOR - VERBAL ? ';
614 GOSUB 748
616 IF N$='n' THEN 642
618 MOVE D,50
620 PRINT '1 = Events/Situation Noted'
622 MOVE D,47
624 PRINT '2 = Writings, speeches, propaganda, diplomacy'
630 MOVE D,44
632 PRINT '3 = Threats'
638 PRINT 'Enter VERBAL BEHAVIOR Code ';
640 INPUT L(15)
642 MOVE D-8,35
644 PRINT '16. SOVIET BEHAVIOR - PHYSICAL ? ';
646 GOSUB 748
648 IF N$='n' THEN 674
650 MOVE D,30
652 PRINT '1 = No Data'
654 MOVE D,27
656 PRINT '2 = No Combat Action- No Details'
658 MOVE D,24
660 PRINT '3 = No Combat Action - No Military Personnel'
662 MOVE D,21
664 PRINT '4 = No Combat Action - Military Personnel'
666 MOVE D,18
668 PRINT '5 = Combat Involving Soviet Military'
670 PRINT 'Enter PHYSICAL BEHAVIOR Code ';
672 INPUT L(16)
674 MOVE 30,5
676 PRINT Z$
678 KO=5
680 END
682 PAGE
684 MOVE D-8,95
686 PRINT '17. CRISIS OUTCOME - U.S. ? ';
688 GOSUB 748
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177

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690 IF N$='n' THEN 708
692 MOVE D,92
694 PRINT '1 = Positive'
696 MOVE D,89
698 PRINT '2 = No Change'
700 MOVE D,86
702 PRINT '3 = Negative'
704 PRINT 'Enter CRISIS OUTCOME Code ';
706 INPUT L(17)
708 MOVE D-8,80
710 PRINT '18. CRISIS OUTCOME - USSR ? ';
712 GOSUB 748
714 IF N$='n' THEN 736
716 MOVE D,77
718 PRINT '1 = Favorable'
720 MOVE D,74
722 PRINT '2 = Mixed'
724 MOVE D,71
726 PRINT '3 = Unfavorable'
728 MOVE D,68
730 PRINT '4 = USSR Indifferent'
732 PRINT 'Enter CRISIS OUTCOME Code ';
734 INPUT L(18)
736 MOVE D-8,50
738 PRINT 'Crisis selection codes finished.'
740 MOVE 30,5
742 PRINT Z$
744 K0=6
746 END
748 INPUT N$
750 IF N$='Y' THEN 754
752 IF N$='P' THEN 756
754 RETURN
756 PAGE
758 MOVE D,90
760 PRINT 'Crisis descriptors are being read from tape.'
762 FIND 10
764 READ @33:X$,L$
766 IF K9=1 THEN 774
768 FIND 15
770 READ @33:K
772 GO TO 782
774 K=1
776 N=0
778 MOVE D,80
780 PRINT 'The file search will take 60-90 seconds'
782 FOR I=1 TO 90
784 IF K(I)=0 THEN 812
786 N=N+1
788 I0=(I-1)*36
790 FOR J=1 TO 18
792 IF L(J)=0 THEN 804
794 J0=(J-1)*2
796 L0=I0+J0
798 P$=SEG(X$,L0+1,2)
800 A=VAL(P$)
802 IF A<>L(J) THEN 808
804 NEXT J
806 GO TO 812
808 K(I)=0
810 N=N-1
812 NEXT I
814 MOVE D,70
816 IF N>0 THEN 826
818 PRINT 'Would you like to repeat the search (Y or N) ? ';
820 INPUT N$
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178

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822 IF N$='n' THEN 842
824 GO TO 100
826 PRINT 'No. crises found = ';N
828 MOVE D,60
830 PRINT 'Would you like to examine these crises (Y or N) ? ';
832 INPUT A$
834 IF A$='n' THEN 842
836 IF A$<>'Y' THEN 830
838 FIND 15
840 WRITE @33:K
842 PAGE
844 MOVE D-8,80
846 PRINT 'Summary of Program Keys'
848 MOVE D,70
850 PRINT 'No. 1 - DESCRIPTORS'
852 MOVE D,65
854 PRINT 'No. 2 - ACTIONS'
856 MOVE D,60
858 PRINT 'No. 3 - OBJECTIVES'
860 MOVE D,55
862 PRINT 'No. 4 - PROBLEMS'
864 MOVE D-8,40
866 PRINT 'Press Program Key'
868 END
```

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1 GO TO 100
4 NO=11
5 GO TO 90
8 NO=14
9 GO TO 90
12 NO=19
13 GO TO 90
16 NO=22
17 GO TO 90
20 PRINT 'Program not available.'
21 END
24 IF KO=1 THEN 680
25 IF KO=2 THEN 1250
26 IF KO=3 THEN 1840
27 IF KO=4 THEN 2330
28 GO TO 240
32 GO TO 20
36 GO TO 20
40 NO=3
41 GO TO 90
44 NO=9
45 GO TO 90
48 NO=12
49 GO TO 90
52 NO=17
53 GO TO 90
56 NO=20
57 GO TO 90
60 GO TO 20
80 FIND 11
81 SAVE
82 PRINT 'Saved on 11'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(26),X$(3240),K(90),L(18)
110 Z$='Press CONTINUE (Key No. 6)'
120 D=1
130 A=4
140 YO=100
150 PAGE
160 MOVE 30,95
170 PRINT 'The DESCRIPTORS File'
180 MOVE 20,85
190 PRINT 'The Crisis Descriptors are being read from tape.'
200 FIND 10
210 READ @33:X$
220 FIND 15
230 READ @33:K
240 FIND 16
250 PAGE
260 FOR I=1 TO 90
270 INPUT @33:Q$
280 IF K(I)=0 THEN 2350
282 MOVE D-1,YO
284 PRINT @32,20:120,YO,120,10,D-1,10,D-1,YO
290 IO=(I-1)*36
292 MOVE D,YO-A
300 S$=SEG(Q$,9,LEN(Q$)-8)
302 PRINT S$
310 MOVE D-1,YO-1.5*A
```

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322 DRAW 120,Y0-1.5*A
330 FOR J=1 TO 18
340 J0=(J-1)*2+I0+1
350 P$=SEG(X$,J0,2)
360 L(J)=VAL(P$)
370 NEXT J
380 GO TO L(1) OF 390,410,430,450,470,490,510,530,550,570
390 P$='North America'
400 GO TO 580
410 P$='Central and South America'
420 GO TO 580
430 P$='Western Europe, Mediterranean, Atlantic'
440 GO TO 580
450 P$='Eastern Europe and the Soviet Union'
460 GO TO 580
470 P$='Middle East and North Africa'
480 GO TO 580
490 P$='South Asia, Indian Ocean, and Sub-Saharan Africa'
500 GO TO 580
510 P$='Pacific and East Asia'
520 GO TO 580
530 P$='Polar Regions (Arctic and Antarctic)'
540 GO TO 580
550 P$='Space'
560 GO TO 580
570 P$='The 'World', Multiple'
580 MOVE D,Y0-3*A
590 PRINT USING 600:P$
600 IMAGE 'LOCATION',8x,50a
610 GO TO L(2) OF 620,640
620 P$='Domestic'
630 GO TO 650
640 P$='International'
650 MOVE D,Y0-4*A
660 PRINT USING 670:P$
670 IMAGE 'SCOPE',11x,50a
680 GO TO L(3) OF 690,710,730
690 P$='Internal'
700 GO TO 760
710 P$='Two or more Large Powers'
720 GO TO 760
730 P$='Large/Small Power Mix'
740 GO TO 760
750 P$='Small/Small Power Mix'
760 MOVE D,Y0-5*A
770 PRINT USING 780:P$
780 IMAGE 'ACTOR MIX',7x,50a
790 GO TO L(4) OF 800,820,840,860
800 P$='Potential'
810 GO TO 870
820 P$='Attempted, Unsuccessful'
830 GO TO 870
840 P$='Actual, Perceived, Successful'
850 GO TO 870
860 P$='Other'
870 MOVE D,Y0-6*A
880 PRINT USING 890:P$
890 IMAGE 'CHARACTER',7x,50a
900 GO TO L(5) OF 910,930,950,970,990,1010,1030,1050,1070,1090
910 P$='Dangerous Domestic Trend, Events'
920 GO TO 1100
930 P$='Riot, Other Civil Disorder'
940 GO TO 1100
950 P$='Uprising, Revolt, Insurgency'
960 GO TO 1100
970 P$='War of National Liberation'
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181

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980 GO TO 1100
990 P$='Coup d'Etat'
1000 GO TO 1100
1010 P$='Structural Change'
1020 GO TO 1100
1030 P$='Border Incidents, Dispute'
1040 GO TO 1100
1050 P$='Foreign Intervention, Conflict Short of War'
1060 GO TO 1100
1070 P$='War (Declared or otherwise)'
1080 GO TO 1100
1090 P$='Other'
1100 MOVE D,Y0-7*A
1110 PRINT USING 1120:P$
1120 IMAGE 'CRISIS TYPE',5x,50a
1130 GO TO L(6) OF 1140,1160
1140 P$='Non-Violent'
115( GO TO 1170
1160 P$='Violent (Personal injuries, property destruction)'
1170 MOVE D,Y0-8*A
1180 PRINT USING 1190:P$
1190 IMAGE 'VIOLENCE LEVEL',2x,60a
1200 GO TO L(7) OF 1210,1230,1250
1210 P$='No'
1220 GO TO 1260
1230 P$='Potential'
1240 GO TO 1260
1250 P$='Actual'
1260 MOVE D,Y0-9*A
1270 PRINT USING 1280:P$
1280 IMAGE 'STRATEGIC',7x,50a
1281 MOVE D-1,Y0-10*A
1282 DRAW 120,Y0-10*A
1283 MOVE D-1,Y0-11*A
1284 PRINT USING 1285:
1285 IMAGE 22x,'U.S.',22x,'USSR'
1286 MOVE D-1,Y0-11.6*A
1287 DRAW 120,Y0-11.6*A
1288 MOVE 28,Y0-1.5*A
1289 DRAW 28,10
1290 MOVE 74,Y0-10*A
1291 DRAW 74,10
1299 GO TO L(8) OF 1300,1320,1340
1300 P$='No Significant Threat'
1310 GO TO 1350
1320 P$='Moderate'
1330 GO TO 1350
1340 P$='Severe'
1350 GO TO L(9) OF 1360,1380,1400
1360 Q$='No Significant Threat'
1370 GO TO 1410
1380 Q$='Moderate'
1390 GO TO 1410
1400 Q$='Severe'
1410 MOVE D,Y0-13*A
1420 PRINT USING 1430:P$,Q$
1430 IMAGE 'THREAT',10x,25a,1x,25a
1440 GO TO L(10) OF 1450,1470,1490
1450 P$='Short (<7 days)'
1460 GO TO 1500
1470 P$='Moderate (7 - 30 days)'
1480 GO TO 1500
1490 P$='Extended (> 30 days)'
1500 GO TO L(11) OF 1510,1530,1550,1570
1510 Q$='Short (<7 days)'
1520 GO TO 1580
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1530 Q$='Moderate (7 - 30 days)'
1540 GO TO 1580
1550 Q$='Long (2 - 12 months)'
1560 GO TO 1580
1570 Q$='Extra Long (> year)'
1580 MOVE D,YO-14*A
1590 PRINT USING 1600:P$,Q$
1600 IMAGE 'DURATION',8x,25a,1x,25a
1610 GO TO L(12) OF 1620,1640,1660
1620 P$='None'
1630 GO TO 1670
1640 P$='Maintain Status Quo'
1650 GO TO 1670
1660 P$='Change previous status'
1670 GO TO L(13) OF 1672,1680,1700,1720,1740,1760
1672 Q$='Not Coded'
1674 GO TO 1770
1680 Q$='Preserve Status Quo'
1690 GO TO 1770
1700 Q$='Restore Status Quo'
1710 GO TO 1770
1720 Q$='Change Status Quo'
1730 GO TO 1770
1740 Q$='Other'
1750 GO TO 1770
1760 Q$='None'
1770 MOVE D,YO-15*A
1780 PRINT USING 1790:P$,Q$
1790 IMAGE 'OBJECTIVES',6x,25a,1x,25a
1800 GO TO L(14) OF 1810,1830,1850,1870,1890
1810 P$='Non-Involvment'
1820 GO TO 1900
1830 P$='Mediation'
1840 GO TO 1900
1850 P$='Assistance (Mil or polit)'
1860 GO TO 1900
1870 P$='Personnel > advisor level'
1880 GO TO 1900
1890 P$='Direct confrontation'
1900 MOVE D,YO-16*A
1902 PRINT USING 1910:P$
1910 IMAGE 'BEHAVIOR',8x,25a,' VERBAL'
1920 GO TO L(15) OF 1930,1950,1970
1930 Q$='Events/Situation Noted'
1940 GO TO 1990
1950 Q$='Papers,talks,propaganda'
1960 GO TO 1990
1970 Q$='Threats'
1980 GO TO 1990
1990 MOVE D,YO-17*A
2000 PRINT USING 2010:Q$
2010 IMAGE 43x,25a
2030 MOVE D,YO-18*A
2032 PRINT USING 2040:
2040 IMAGE 42x,'PHYSICAL'
2050 GO TO L(16) OF 2060,2080,2100,2120,2140
2060 Q$='No Data Available'
2070 GO TO 2150
2080 Q$='No Combat - No Details'
2090 GO TO 2150
2100 Q$='No Combat - No Mil Per'
2110 GO TO 2150
2120 Q$='No Combat - Mil Per'
2130 GO TO 2150
2140 Q$='Combat - Soviet Mil Per'
2150 MOVE D,YO-19*A
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2160 PRINT USING 2170:Q$
2170 IMAGE 43x,25a
2180 GO TO L(17) OF 2190,2210,2230
2190 P$='Positive'
2200 GO TO 2240
2210 P$='No Change'
2220 GO TO 2240
2230 P$='Negative'
2240 GO TO L(18) OF 2250,2270,2290,2310
2250 Q$='Favorable'
2260 GO TO 2320
2270 Q$='Mixed'
2280 GO TO 2320
2290 Q$='Unfavorable'
2300 GO TO 2320
2310 Q$='Indifferent'
2320 MOVE D,YO-20*A
2330 PRINT USING 2340:P$,Q$
2340 IMAGE 'OUTCOME',9x,25a,1x,25a
2342 MOVE D,O
2343 PRINT 'Press HOME/PAGE to continue'
2350 NEXT I
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184

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1 GO TO 100
24 IF KO=1 THEN 290
25 IF KO=2 THEN 600
26 IF KO=3 THEN 910
27 IF KO=4 THEN 1220
40 FIND 3
41 OLD
42 RUN
43 END
80 FIND 12
81 SAVE
82 PRINT 'Saved on 12'
83 END
100 DIM Y$(18),Z$(26),L(72),X$(6841),K(90)
110 PAGE
120 D=20
130 A=10
140 YO=100
142 Z$='Press CONTINUE (Key No. 6)'
144 Y$='--------------------'
150 MOVE D+10,YO
160 PRINT 'Selection of crises by ACTIONS'
170 MOVE D,YO-A
180 PRINT 'The ACTIONS will be listed; please type Y or N or P by each.'
190 MOVE D+5,YO-2*A
200 PRINT 'Y -> YES, Select crises with this action'
210 MOVE D+5,YO-3*A
220 PRINT 'N -> NO,  Ignore this action'
230 MOVE D+5,YO-4*A
240 PRINT 'P -> PROCEED, Go directly to the file search'
242 MOVE D,YO-6*A
244 PRINT 'Select on U.S. Actions(1), Soviet Actions(2), or Both (3) ?'
245 MOVE D,YO-6.5*A
246 PRINT 'Enter 1 or 2 or 3 ';
247 INPUT Z
250 MOVE 30,10
260 PRINT Z$
270 KO=1
280 END
290 PAGE
292 C=0
294 L=0
300 PRINT 'B  1. Commit land forces to combat ';
302 GOSUB 3000
310 PRINT 'B  2. Commit sea forces to combat ';
312 GOSUB 3000
320 PRINT 'B  3. Commit air forces to combat ';
322 GOSUB 3000
330 PRINT 'B  4. Commit support services (land) ';
332 GOSUB 3000
340 PRINT 'B  5. Commit support services (sea) ';
342 GOSUB 3000
350 PRINT 'B  6. Commit support services (air) ';
352 GOSUB 3000
360 PRINT 'B  7. Reposition land forces ';
362 GOSUB 3000
370 PRINT 'B  8. Reposition sea forces ';
372 GOSUB 3000
380 PRINT 'B  9. Reposition air forces ';
382 GOSUB 3000
390 PRINT 'B 10. Threaten nuclear forces ';
392 GOSUB 3000
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185

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400 PRINT 'B 11. Redeploy nuclear forces ';
402 GOSUB 3000
410 PRINT 'B 12. Change alert status of nuclear forces ';
412 GOSUB 3000
420 PRINT 'B 13. Threaten nonnuclear forces ';
422 GOSUB 3000
430 PRINT 'B 14. Redeploy nonnuclear forces ';
432 GOSUB 3000
440 PRINT 'B 15. Change alert status of nonnuclear forces ';
442 GOSUB 3000
450 PRINT 'B 16. Redeploy peacekeeping forces ';
452 GOSUB 3000
460 PRINT 'B 17. Show of military force ';
462 GOSUB 3000
470 PRINT 'B 18. Military blockade or quarantine ';
472 GOSUB 3000
480 PRINT 'B 19. Isolated military contact ';
482 GOSUB 3000
490 PRINT 'B 20. Military forces used for search and rescue ';
492 GOSUB 3000
500 PRINT 'B 21. Military intelligence collection ';
502 GOSUB 3000
510 PRINT 'B 22. Military intelligence dissemination to an ally ';
512 GOSUB 3000
520 PRINT 'B 23. Military intelligence provided to an antagonist ';
522 GOSUB 3000
530 PRINT 'B 24. Military maneuvers or training exercises ';
532 GOSUB 3000
540 MOVE 0,8
550 PRINT 'B = Action coded for both U.S. and USSR'
560 MOVE 20,5
570 PRINT Z$
580 K0=2
590 END
600 PAGE
610 PRINT 'B 25. Improve, maintain force readiness ';
612 GOSUB 3000
620 PRINT 'B 26. Covert military operation ';
622 GOSUB 3000
630 PRINT 'B 27. Military intervention between combatants ';
632 GOSUB 3000
640 PRINT 'B 28. Airlift personnel and/or supplies and equipment ';
642 GOSUB 3000
650 PRINT 'B 29. Provide military advisory assistance ';
652 GOSUB 3000
660 PRINT 'B 30. Provide military training for combat troops ';
662 GOSUB 3000
670 PRINT 'B 31. Provide other military training ';
672 GOSUB 3000
680 PRINT 'B 32. Drawdown military equipment from units ';
682 GOSUB 3000
690 PRINT 'B 33. Provide supplies from depots ';
692 GOSUB 3000
700 PRINT 'B 34. Provide supplies from non-military sources ';
702 GOSUB 3000
710 PRINT 'B 35. Provide military maintenance assistance ';
712 GOSUB 3000
720 PRINT 'B 36. Provide other military logistics assistance ';
722 GOSUB 3000
730 PRINT 'B 37. Provide other military assistance ';
732 GOSUB 3000
740 PRINT 'B 38. Make pol/eco commitment implying new mil mission ';
742 GOSUB 3000
750 PRINT 'B 39. Undertake a new military mission ';
752 GOSUB 3000
760 PRINT 'B 40. Accept a new military cost ';
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762 GOSUB 3000
770 PRINT "B 41. Modify an existing defense treaty ";
772 GOSUB 3000
780 PRINT "B 42. Modify an existing base rights treaty ";
782 GOSUB 3000
790 PRINT "B 43. Modify an existing status of forces agreement ";
792 GOSUB 3000
800 PRINT "B 44. Seek assistance in decision-making ";
802 GOSUB 3000
810 PRINT "B 45. Take no military action ";
812 GOSUB 3000
820 PRINT "B 46. Employ diplomacy ";
822 GOSUB 3000
830 PRINT "B 47. Mediate a dispute ";
832 GOSUB 3000
840 PRINT "B 48. Threaten to, or actually, withdraw support ";
842 GOSUB 3000
850 MOVE 0,10
860 PRINT "B = Action coded for both U.S. and USSR"
870 MOVE 20,5
880 PRINT Z$
890 K0=3
900 END
910 PAGE
920 PRINT "B 49. Advocate/support peacekeeping efforts ";
922 GOSUB 3000
930 PRINT "B 50. Improve scientific/technical capabilities ";
932 GOSUB 3000
940 PRINT "B 51. Reaffirm existing political/military commitment ";
942 GOSUB 3000
950 PRINT "B 53. Lodge protests ";
952 GOSUB 3000
960 PRINT "B 53. Other ";
962 GOSUB 3000
970 PRINT "B 54. Acts alone ";
972 GOSUB 3000
980 PRINT "B 55. Acts with one other nation ";
982 GOSUB 3000
990 PRINT "B 56. Acts with two or more other nations ";
992 GOSUB 3000
1000 PRINT "B 57. United Nations involved ";
1002 GOSUB 3000
1004 IF A$="U" THEN 1240
1010 PRINT "S 58. Military intervention in a Marxist-Leninist state ";
1012 GOSUB 3000
1020 PRINT "S 59. Cooperative intervention in a third world state ";
1022 GOSUB 3000
1030 PRINT "S 60. Joint operation with Marxist-Leninist states ";
1032 GOSUB 3000
1040 PRINT "S 61. UN veto ";
1042 GOSUB 3000
1050 PRINT "S 62. UN resolution and/or amendments ";
1052 GOSUB 3000
1060 PRINT "S 63. UN speeches and/or letters ";
1062 GOSUB 3000
1070 PRINT "S 64. Support existing regime ";
1072 GOSUB 3000
1080 PRINT "S 66. Support anti-regime CP or CP movement ";
1082 GOSUB 3000
1090 PRINT "S 67. Provide political/propaganda support ";
1092 GOSUB 3000
1100 PRINT "S 68. Provide economic assistance ";
1102 GOSUB 3000
1110 PRINT "S 69. Provide crisis-related military aid ";
1112 GOSUB 3000
1120 PRINT "S 70. Use of military forces to support political goals ";
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1122 GOSUB 3000
1130 PRINT 'S 71. Use of WP, CMEA to support political goals '; 12 - 4
1132 GOSUB 3000
1140 PRINT 'S 72. Use of organizations other than UN, WP, CMEA ';
1142 GOSUB 3000
1150 MOVE 0,12
1160 PRINT 'B = Action coded for both U.S. and USSR'
1170 PRINT 'S = Action coded for USSR only'
1180 MOVE 20,5
1190 PRINT Z$
1200 K0=4
1210 END
1220 PAGE
1230 MOVE 20,60
1240 PRINT 'ACTIONS selected.  The file will be searched for all crises'
1250 MOVE 20,56
1260 PRINT 'with these ACTIONS.  The search will take 60-90 seconds.'
1300 FIND 13
1302 READ @33:X$
1310 S=0
1311 PRINT 'Search full file (Y or N) ? ';
1312 INPUT A$
1313 IF A$='y' THEN 1319
1314 FIND 15
1315 READ @33:K
1316 GO TO 1320
1319 K=1
1320 FOR I=1 TO 90
1330 IF K(I)=0 THEN 1500
1332 S=S+1
1340 I0=(I-1)*76
1350 A$=SEG(X$,I0+3,1)
1360 IF A$='0' THEN 1500
1361 GO TO Z OF 1362,1364,1366
1362 IF A$='2' THEN 1500
1363 GO TO 1370
1364 IF A$='1' THEN 1500
1365 GO TO 1370
1366 IF A$<>'3' THEN 1500
1370 FOR J=1 TO 72
1380 IF L(J)=0 THEN 1490
1382 B$=SEG(X$,I0+4+J,1)
1390 IF B$='0' THEN 1495
1490 NEXT J
1495 K(I)=0
1496 S=S-1
1500 NEXT I
1560 PRINT 'No. of crises found = ';S
1562 PRINT 'Do you wish to examine these crises (Y or N) ';
1563 INPUT A$
1564 IF A$='N' THEN 1600
1570 FIND 15
1580 WRITE @33:K
1600 PAGE
1610 MOVE D,80
1620 PRINT 'Summary of Program Keys'
1630 MOVE D+8,70
1640 PRINT 'No. 1 - CHARACTERISTICS'
1650 MOVE D+8,65
1660 PRINT 'No. 2 - ACTIONS'
1670 MOVE D+8,60
1680 PRINT 'No. 3 - OBJECTIVES'
1690 MOVE D+8,55
1700 PRINT 'No. 4 - PROBLEMS'
1710 MOVE D,45
1720 PRINT 'Press Program Key'
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188

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1730 END
3000 C=C+1
3002 INPUT A$
3004 IF A$='n' THEN 3008
3005 IF A$='p' THEN 1220
3006 L(C)=1
3008 GIN O,P
3010 MOVE O,P-0.8
3020 RETURN
```

```
1 GO TO 100
24 IF KO=1 THEN 2195
25 IF KO=2 THEN 1490
26 IF KO=3 THEN 2030
28 GO TO 170
40 FIND 3
41 OLD
42 RUN
43 END
80 FIND 14
81 SAVE
82 PRINT 'Saved on 14'
83 END
100 DIM X$(6481),Y$(18),Z$(26),K(90)
110 PAGE
120 D=20
130 A=4
140 Y0=100
150 Z$='Press CONTINUE (Key No. 6)'
160 Y$='--------------------'
170 K=1
190 MOVE 20,90
200 PRINT 'U.S. and Soviet ACTIONS for the selected crises'
202 MOVE 20,85
204 PRINT 'will be listed.'
210 MOVE 20,70
220 PRINT 'The ACTIONS data are being read from tape.'
230 FIND 13
240 READ @33:X$
250 FIND 15
260 READ @33:K
265 PAGE
270 FIND 16
280 FOR I=1 TO 90
290 INPUT @33:Q$
300 IF K(I)=0 THEN 1890
310 I0=(I-1)*76
320 T$=SEG(Q$,9,LEN(Q$)-8)
330 GOSUB 2130
340 A$=SEG(X$,I0+3,1)
350 IF A$<>'0' THEN 440
360 MOVE D+10,Y0-11*A
370 PRINT 'No data for this case.'
380 FOR Q0=1 TO 50
390 Q=SGR(99999)
400 NEXT Q0
410 PAGE
420 GO TO 1890
430 GOSUB 2130
440 J=0
450 P$='B  1. Commit land forces to combat'
460 GOSUB 1940
470 P$='B  2. Commit sea forces to combat'
480 GOSUB 1940
490 P$='B  3. Commit air forces to combat'
500 GOSUB 1940
510 P$='B  4. Commit support services (land)'
520 GOSUB 1940
530 P$='B  5. Commit support services (sea)'
540 GOSUB 1940
550 P$='B  6. Commit support services (air)'
560 GOSUB 1940
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570 P$='B  7. Reposition land forces'
580 GOSUB 1940
590 P$='B  8. Reposition sea forces'
600 GOSUB 1940
610 P$='B  9. Reposition air forces'
620 GOSUB 1940
630 P$='B 10. Threaten nuclear forces as a deterrent'
640 GOSUB 1940
650 P$='B 11. Redeploy nuclear forces as a deterrent'
660 GOSUB 1940
670 P$='B 12. Change alert status of nuclear forces'
680 GOSUB 1940
690 P$='B 13. Threaten nonnuclear forces as a deterrent'
700 GOSUB 1940
710 P$='B 14. Redeploy nonnuclear forces as a deterrent'
720 GOSUB 1940
730 P$='B 15. Change alert status of nonnuclear forces'
740 GOSUB 1940
750 P$='B 16. Redeploy peacekeeping forces'
760 GOSUB 1940
770 P$='B 17. Show of military force'
780 GOSUB 1940
790 P$='B 18. Military blockade or quarantine'
800 GOSUB 1940
810 P$='B 19. Isolated military contact'
820 GOSUB 1940
830 P$='B 20. Military forces used for search and rescue'
840 GOSUB 1940
850 P$='B 21. Military intelligence collection'
860 GOSUB 1940
870 P$='B 22. Military intelligence dissemination to an ally'
880 GOSUB 1940
890 P$='B 23. Military intelligence provided to an antagonist'
900 GOSUB 1940
910 P$='B 24. Military maneuvers or training exercises'
920 GOSUB 1940
930 P$='B 25. Improve, maintain force readiness'
940 GOSUB 1940
950 P$='B 26. Covert military operation'
960 GOSUB 1940
970 P$='B 27. Military intervention between combatants'
980 GOSUB 1940
990 P$='B 28. Airlift personnel and/or supplies and equipment'
1000 GOSUB 1940
1010 P$='B 29. Provide military advisory assistance'
1020 GOSUB 1940
1030 P$='B 30. Provide military training for combat troops'
1040 GOSUB 1940
1050 P$='B 31. Provide other military training'
1060 GOSUB 1940
1070 P$='B 32. Drawdown military equipment from units'
1080 GOSUB 1940
1090 P$='B 33. Provide supplies from depots'
1100 GOSUB 1940
1110 P$='B 34. Provide supplies from non-military sources'
1120 GOSUB 1940
1130 P$='B 35. Provide military maintenance assistance'
1140 GOSUB 1940
1150 P$='B 36. Provide other military logistics assistance'
1160 GOSUB 1940
1170 P$='B 37. Provide other military assistance'
1180 GOSUB 1940
1190 P$='B 38. Make pol/eco commitment implying new mil mission'
1200 GOSUB 1940
1210 P$='B 39. Undertake a new military mission'
1220 GOSUB 1940
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1230 P$='B 40. Accept a new military cost'
1240 GOSUB 1940
1250 P$='B 41. Modify an existing defense treaty'
1260 GOSUB 1940
1270 P$='B 42. Modify an existing base rights treaty'
1280 GOSUB 1940
1290 P$='B 43. Modify an existing status of forces agreement'
1300 GOSUB 1940
1310 P$='B 44. Seek assistance in decision-making'
1320 GOSUB 1940
1330 P$='B 45. Take no military action'
1340 GOSUB 1940
1350 P$='B 46. Employ diplomacy'
1360 GOSUB 1940
1370 P$='B 47. Mediate a dispute'
1380 GOSUB 1940
1390 P$='B 48. Threaten to, or actually, withdraw support'
1400 GOSUB 1940
1410 P$='B 49. Advocate/support peacekeeping efforts'
1420 GOSUB 1940
1430 P$='B 50. Improve scientific/technical capabilities'
1440 GOSUB 1940
1450 P$='B 51. Reaffirm existing political/military commitment'
1460 GOSUB 1940
1470 P$='B 53. Lodge protest(s)'
1480 GOSUB 1940
1490 P$='B 53. Other'
1500 GOSUB 1940
1510 P$='B 54. Acts alone'
1520 GOSUB 1940
1530 P$='B 55. Acts with one other nation'
1540 GOSUB 1940
1550 P$='B 56. Acts with two or more other nations'
1560 GOSUB 1940
1570 P$='B 57. United Nations involved'
1580 GOSUB 1940
1590 P$='S 58. Military intervention in a Marxist-Leninist state'
1600 GOSUB 1940
1610 P$='S 59. Cooperative intervention in a third world state'
1620 GOSUB 1940
1630 P$='S 60. Joint operation with Marxist-Leninist state(s)'
1640 GOSUB 1940
1650 P$='S 61. UN veto'
1660 GOSUB 1940
1670 P$='S 62. UN resolution and/or amendments'
1680 GOSUB 1940
1690 P$='S 63. UN speeches and/or letters'
1700 GOSUB 1940
1710 P$='S 64. Support existing regime'
1720 GOSUB 1940
1730 P$='S 66. Support anti-regime CP or CP movement'
1740 GOSUB 1940
1750 P$='S 67. Provide political/propaganda support'
1760 GOSUB 1940
1770 P$='S 68. Provide economic assistance'
1780 GOSUB 1940
1790 P$='S 69. Provide crisis-related military aid'
1800 GOSUB 1940
1810 P$='S 70. Use of military forces to support political goals'
1820 GOSUB 1940
1830 P$='S 71. Use of WP, CMEA to support political goals'
1840 GOSUB 1940
1850 P$='S 72. Use of organizations other than UN, WP, CMEA'
1860 GOSUB 1940
1870 MOVE 0,0
1880 PRINT 'Press HOME/PAGE to continue to the next crisis.'
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1890 NEXT I
1900 PRINT 'All ACTIONS printed.'
1910 MOVE 20,55
1920 PRINT ' Press Key No. 10 to return to the Introduction.'
1930 END
1940 J=J+1
1950 A$=SEG(X$,I0+4+J,1)
1960 U$='X'
1970 S$='X'
1980 IF A$='3' THEN 2040
1990 IF A$='1' THEN 2030
2000 IF A$='2' THEN 2010
2010 U$=' '
2020 IF A$<>'0' THEN 2040
2030 S$=' '
2040 PRINT USING 2050:P$,U$,S$
2050 IMAGE 1x,55a,1x,1a,6x,1a
2060 IF J=24 THEN 2090
2070 IF J=48 THEN 2090
2080 GO TO 2120
2090 MOVE 0,0
2100 PRINT 'Press HOME/PAGE to continue'
2110 GOSUB 2130
2120 RETURN
2130 MOVE 0,100
2140 PRINT @32,20:120,100,120,10,0,10,0,100
2150 MOVE 0,92
2160 PRINT @32,20:120,92,120,84,0,84
2170 MOVE 4,92
2180 DRAW 4,10
2190 MOVE 10,92
2200 DRAW 10,10
2210 MOVE 99,92
2220 DRAW 99,10
2230 MOVE 110,92
2240 DRAW 110,10
2250 MOVE 1,95
2260 PRINT T$
2270 MOVE 0,Y0-3.2*A
2280 PRINT USING 2290:
2290 IMAGE 1x,'C ID',8x,'ACTIONS',37x,'U.S. USSR'
2300 MOVE 0,Y0-5*A
2310 RETURN
```

```
1 GO TO 100
24 IF KO=1 THEN 380
25 IF KO=2 THEN 889
26 IF KO=3 THEN 1366
27 IF KO>3 THEN 70
40 FIND 4
41 OLD
42 RUN
43 END
70 IF KO=4 THEN 1670
71 IF KO=5 THEN 2500
80 FIND 17
81 SAVE
82 PRINT 'Saved on 17'
83 END
100 DIM Y$(18),Z$(26),L(72),X$(5761),K(90)
110 PAGE
120 D=20
130 A=10
140 YO=100
150 Z$='Press CONTINUE (Key No. 6)'
160 Y$='--------------------'
170 MOVE D+10,YO
180 PRINT 'Selection of crises by OBJECTIVES'
190 MOVE D,YO-0.8*A
200 PRINT 'The OBJECTIVES will be listed.'
210 MOVE D,YO-1.2*A
220 PRINT 'Please type Y or N or P by each.'
230 MOVE D+5,YO-2*A
240 PRINT 'Y -> YES, Select crises with this action'
250 MOVE D+5,YO-3*A
260 PRINT 'N -> NO,  Ignore this action'
270 MOVE D+5,YO-4*A
280 PRINT 'P -> PROCEED, Go directly to the file search'
290 MOVE D,YO-6*A
300 PRINT 'Select on U.S. (1), Soviet (2), or Both (3) ?'
310 MOVE D,YO-6.5*A
320 PRINT 'Enter 1 or 2 or 3 ';
330 INPUT Z
340 MOVE 30,10
350 PRINT Z$
360 KO=1
370 END
380 PAGE
390 C=0
400 L=0
410 P$='B  1. Deter imminent attack'
420 GOSUB 2220
430 P$='B  2. Improve or rectify deterrence posture'
440 GOSUB 2220
450 P$='B  3. Put down rebellion'
460 GOSUB 2220
470 P$='B  4. Restore a regime'
480 GOSUB 2220
490 P$='B  5. Regain access to economic resources'
500 GOSUB 2220
510 P$='B  6. Restore peace'
520 GOSUB 2220
530 P$='B  7. Restore territorial integrity'
540 GOSUB 2220
550 P$='B  8. Restore military balance of power'
560 GOSUB 2220
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570 P$='B  9. Restore readiness'
580 GOSUB 2220
590 P$='B 10. Preserve readiness'
600 GOSUB 2220
610 P$='B 11. Preserve peace'
620 GOSUB 2220
630 P$='B 12. Confirm or re-establish prestige'
640 GOSUB 2220
650 P$='B 13. Preserve territory and/or facilities'
660 GOSUB 2220
670 P$='B 14. Preserve regime from external threat'
680 GOSUB 2220
690 P$='B 15. Preserve regime from internal threat'
700 GOSUB 2220
710 P$='B 16. Preserve, restore, or improve alliance'
720 GOSUB 2220
730 P$='B 17. Protect legal and political rights'
740 GOSUB 2220
750 P$='B 18. Induce maintenance of current policy'
760 GOSUB 2220
770 P$='B 19. Dissuade from a new policy'
780 GOSUB 2220
790 P$='B 20. Protect a military asset'
800 GOSUB 2220
810 P$='B 21. Support a new government'
820 GOSUB 2220
830 P$='B 22. Induce national reorientation'
840 GOSUB 2220
850 P$='B 23. Induce adoption of a new policy'
860 GOSUB 2220
870 P$='B 24. Bring about the fall of a regime'
880 GOSUB 2220
887 K0=2
888 END
889 PAGE
890 P$='B 25. Support insurgency'
900 GOSUB 2220
910 P$='B 26. Deny political access'
920 GOSUB 2220
930 P$='B 27. Deny military access'
940 GOSUB 2220
950 P$='B 28. Assure continued economic access'
960 GOSUB 2220
970 P$='B 29. Preserve or regain control of the sea'
980 GOSUB 2220
990 P$='B 30. Preserve or regain control of the air'
1000 GOSUB 2220
1010 P$='B 31. Deny success to terrorists or hijackers'
1020 GOSUB 2220
1030 P$='B 32. Protect human life'
1040 GOSUB 2220
1050 P$='B 33. Provide sanctuary or asylum'
1060 GOSUB 2220
1070 P$='B 34. Support critical negotiations'
1080 GOSUB 2220
1090 P$='B 35. Discover intentions or actions'
1100 GOSUB 2220
1110 P$='B 36. Prepare for alternative missions'
1120 GOSUB 2220
1130 P$='B 37. Support efforts by the United Nations'
1140 GOSUB 2220
1150 P$='B 38. Contain opponent(s)'
1160 GOSUB 2220
1170 P$='B 39. Prevent spread of war'
1180 GOSUB 2220
1190 P$='B 40. Preserve line of communications'
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195

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1200 GOSUB 2220
1210 P$="B 41. Regain technical advantage'                              17 - 3
1220 GOSUB 2220
1230 P$="B 42. Restore prestige'
1240 GOSUB 2220
1250 P$="B 43. Preserve balance of power'
1260 GOSUB 2220
1270 P$="B 44. Prevent spread of communist influence'
1280 GOSUB 2220
1290 P$="B 45. Prevent nuclear proliferation'
1300 GOSUB 2220
1310 P$="B 46. Insure self-sufficiency'
1320 GOSUB 2220
1330 P$="B 47. Avoid direct involvement'
1340 GOSUB 2220
1350 P$="B 48. Preserve secrecy'
1360 GOSUB 2220
1364 KO=3
1365 END
1366 PAGE
1370 P$="S 49. Preserve elite power system within the USSR'
1380 GOSUB 2220
1390 P$="S 50. Preserve buffer system'
1400 GOSUB 2220
1410 P$="S 51. Preserve unity of international communism'
1420 GOSUB 2220
1430 P$="S 52. Prevent reemergence of Germany as a major power'
1440 GOSUB 2220
1450 P$="S 53. Contain PRC expansion'
1460 GOSUB 2220
1470 P$="S 54. Avoid isolation'
1480 GOSUB 2220
1490 P$="S 55. Maximize Soviet and Soviet leadership's prestige'
1500 GOSUB 2220
1510 P$="S 56. Support shifts in favor of communism'
1520 GOSUB 2220
1530 P$="S 57. Neutralize Western influence in the Third World'
1540 GOSUB 2220
1550 P$="S 58. Achieve recognition as a global superpower'
1560 GOSUB 2220
1570 P$="S 59. Prevent UN from taking independent action'
1580 GOSUB 2220
1590 P$="S 60. Alter balance of power'
1600 GOSUB 2220
1610 PRINT 'B = Objective coded for both U.S. and USSR'
1620 PRINT 'S = Objective coded for USSR only'
1630 MOVE 20,5
1640 PRINT Z$
1650 KO=4
1660 END
1670 PAGE
1680 MOVE 20,60
1690 PRINT 'OBJECTIVES selected.  A search will be made for ';
1692 PRINT 'all crises'
1700 MOVE 20,56
1710 PRINT 'with these OBJECTIVES.  The search will take 60-90 seconds.'
1720 FIND 18
1730 READ @33:X$
1740 S=0
1742 MOVE 20,50
1750 PRINT 'Search full file (Y or N) ? ';
1760 INPUT A$
1770 IF A$='y' THEN 1810
1780 FIND 15
1790 READ @33:K
1800 GO TO 1830
```

196

```
1810 K=1
1820 FOR I=1 TO 90
1830 IF K(I)=0 THEN 2010
1840 S=S+1
1850 IO=(I-1)*76
1860 A$=SEG(X$,IO+3,1)
1870 IF A$='0' THEN 2010
1880 GO TO Z OF 1890,1910,1930
1890 IF A$='2' THEN 2010
1900 GO TO 1940
1910 IF A$='1' THEN 2010
1920 GO TO 1940
1930 IF A$<>'3' THEN 2010
1940 FOR J=1 TO 72
1950 IF L(J)=0 THEN 1980
1960 B$=SEG(X$,IO+4+J,1)
1970 IF B$='0' THEN 1990
1980 NEXT J
1990 K(I)=0
2000 S=S-1
2010 NEXT I
2020 PRINT 'No. of crises found = ';S
2030 PRINT 'Do you wish to examine these crises (Y or N) ';
2040 INPUT A$
2050 IF A$='N' THEN 2080
2060 FIND 15
2070 WRITE @33:K
2080 PAGE
2090 MOVE D,80
2100 PRINT 'Summary of Program Keys'
2110 MOVE D+8,70
2120 PRINT 'No. 1 - CHARACTERISTICS'
2130 MOVE D+8,65
2140 PRINT 'No. 2 - ACTIONS'
2150 MOVE D+8,60
2160 PRINT 'No. 3 - OBJECTIVES'
2170 MOVE D+8,55
2180 PRINT 'No. 4 - PROBLEMS'
2182 MOVE D+8,50
2184 PRINT 'No. 6 - To print titles of selected cases'
2190 MOVE D,44
2200 PRINT 'Press Program Key'
2209 KO=5
2210 END
2220 C=C+1
2222 F$=F$&' '
2225 PRINT F$;
2230 INPUT A$
2240 IF A$='n' THEN 2262
2250 IF A$='p' THEN 1670
2260 L(C)=1
2262 IF C=24 THEN 2300
2264 IF C=48 THEN 2300
2265 IF C=72 THEN 2300
2270 GIN O,P
2280 MOVE O,P-0.8
2290 RETURN
2300 MOVE O,9.5
2310 PRINT 'B - Coded for both U.S. and USSR, / S - Coded for USSR only'
2340 MOVE 20,4
2350 PRINT Z$
2360 RETURN
2500 PAGE
2502 C=1
2510 FIND 16
2520 FOR I=1 TO 90
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2530 INPUT @33:Q$
2540 IF K(I)=0 THEN 2600
2550 T$=SEG(Q$,9,LEN(Q$)-8)
2560 MOVE 0,100-C*3
2570 PRINT T$
2571 C=C+1
2572 IF C<31 THEN 2600
2574 MOVE D,0
2576 PRINT 'Press HOME/PAGE to continue'
2578 C=1
2600 NEXT I
2610 MOVE D,0
2620 PRINT 'Press HOME/PAGE to continue'
2630 GO TO 2090
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1 GO TO 100
24 IF KO=1 THEN 2195
25 IF KO=2 THEN 2090
26 IF KO=3 THEN 1770
28 GO TO 190
40 FIND 3
41 OLD
42 RUN
43 END
80 FIND 19
81 SAVE
82 PRINT 'Saved on 19'
83 END
100 DIM X$(5851),Y$(18),Z$(26),K(90)
110 PAGE
120 D=20
130 A=4
140 YO=100
150 Z$='Press CONTINUE (Key No. 6)'
160 Y$='--------------------'
170 FIND 18
180 READ @33:X$
190 K=1
200 PAGE
210 FIND 15
220 READ @33:K
230 FIND 16
240 FOR I=1 TO 90
250 INPUT @33:Q$
260 IF K(I)=0 THEN 1630
270 IO=(I-1)*64
280 T$=SEG(Q$,9,LEN(Q$)-8)
290 GOSUB 1970
300 A$=SEG(X$,IO+3,1)
310 IF A$<>'0' THEN 400
320 MOVE D+10,YO-11*A
330 PRINT 'No data for this case.'
340 FOR QO=1 TO 50
350 Q=SQR(99999)
360 NEXT QO
370 PAGE
380 GO TO 1630
390 GOSUB 1870
400 J=0
410 P$='B  1. Deter imminent attack'
420 GOSUB 1680
430 P$='B  2. Improve or rectify deterrence posture'
440 GOSUB 1680
450 P$='B  3. Put down rebellion'
460 GOSUB 1680
470 P$='B  4. Restore a regime'
480 GOSUB 1680
490 P$='B  5. Regain access to economic resources'
500 GOSUB 1680
510 P$='B  6. Restore peace'
520 GOSUB 1680
530 P$='B  7. Restore territorial integrity'
540 GOSUB 1680
550 P$='B  8. Restore military balance of power'
560 GOSUB 1680
570 P$='B  9. Restore readiness'
580 GOSUB 1680
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590 P$='B 10. Preserve readiness'
600 GOSUB 1680
610 P$='B 11. Preserve peace'
620 GOSUB 1680
630 P$='B 12. Confirm or re-establish prestige'
640 GOSUB 1680
650 P$='B 13. Preserve territory and/or facilities'
660 GOSUB 1680
670 P$='B 14. Preserve regime from external threat'
680 GOSUB 1680
690 P$='B 15. Preserve regime from internal threat'
700 GOSUB 1680
710 P$='B 16. Preserve, restore, or improve alliance'
720 GOSUB 1680
730 P$='B 17. Protect legal and political rights'
740 GOSUB 1680
750 P$='B 18. Induce maintenance of current policy'
760 GOSUB 1680
770 P$='B 19. Dissuade from a new policy'
780 GOSUB 1680
790 P$='B 20. Protect a military asset'
800 GOSUB 1680
810 P$='B 21. Support a new government'
820 GOSUB 1680
830 P$='B 22. Induce national reorientation'
840 GOSUB 1680
850 P$='B 23. Induce adoption of a new policy'
860 GOSUB 1680
870 P$='B 24. Bring about the fall of a regime'
880 GOSUB 1680
890 P$='B 25. Support insurgency'
900 GOSUB 1680
910 P$='B 26. Deny political access'
920 GOSUB 1680
930 P$='B 27. Deny military access'
940 GOSUB 1680
950 P$='B 28. Assure continued economic access'
960 GOSUB 1680
970 P$='B 29. Preserve or regain control of the sea'
980 GOSUB 1680
990 P$='B 30. Preserve or regain control of the air'
1000 GOSUB 1680
1010 P$='B 31. Deny success to terrorists or hijackers'
1020 GOSUB 1680
1030 P$='B 32. Protect human life'
1040 GOSUB 1680
1050 P$='B 33. Provide sanctuary or asylum'
1060 GOSUB 1680
1070 P$='B 34. Support critical negotiations'
1080 GOSUB 1680
1090 P$='B 35. Discover intentions or actions'
1100 GOSUB 1680
1110 P$='B 36. Prepare for alternative missions'
1120 GOSUB 1680
1130 P$='B 37. Support efforts by the United Nations'
1140 GOSUB 1680
1150 P$='B 38. Contain opponent(s)'
1160 GOSUB 1680
1170 P$='B 39. Prevent spread of war'
1180 GOSUB 1680
1190 P$='B 40. Preserve line of communications'
1200 GOSUB 1680
1210 P$='B 41. Regain technical advantage'
1220 GOSUB 1680
1230 P$='B 42. Restore prestige'
1240 GOSUB 1680
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1250 P$='B 43. Preserve balance of power'
1260 GOSUB 1680
1270 P$='B 44. Prevent spread of communist influence'
1280 GOSUB 1680
1290 P$='B 45. Prevent nuclear proliferation'
1300 GOSUB 1680
1310 P$='B 46. Insure self-sufficiency'
1320 GOSUB 1680
1330 P$='B 47. Avoid direct involvement'
1340 GOSUB 1680
1350 P$='B 48. Preserve secrecy'
1360 GOSUB 1680
1370 P$='S 49. Preserve elite power system within the USSR'
1380 GOSUB 1680
1390 P$='S 50. Preserve buffer system'
1400 GOSUB 1680
1410 P$='S 51. Preserve unity of international communisism'
1420 GOSUB 1680
1430 P$='S 52. Prevent reemersence of Germany as a major power'
1440 GOSUB 1680
1450 P$='S 53. Contain PRC expansion'
1460 GOSUB 1680
1470 P$='S 54. Avoid isolation'
1480 GOSUB 1680
1490 P$='S 55. Maximize Soviet and Soviet leadership's prestise'
1500 GOSUB 1680
1510 P$='S 56. Support shifts in favor of communism'
1520 GOSUB 1680
1530 P$='S 57. Neutralize Western influence in the Third World'
1540 GOSUB 1680
1550 P$='S 58. Achieve recosnition as a slobal superpower'
1560 GOSUB 1680
1570 P$='S 59. Prevent UN from takins independent action'
1580 GOSUB 1680
1590 P$='S 60. Alter balance of power'
1600 GOSUB 1680
1610 MOVE D,0
1620 PRINT 'Press HOME/PAGE to continue to the next crisis.'
1630 NEXT I
1640 PRINT 'All ACTIONS printed.'
1650 MOVE 20,55
1660 PRINT ' Press Key No. 10 to return to the Introduction.'
1670 END
1680 J=J+1
1690 A$=SEG(X$,I0+4+J,1)
1700 U$='X'
1710 S$='X'
1720 IF A$='3' THEN 1780
1730 IF A$='1' THEN 1770
1740 IF A$='2' THEN 1750
1750 U$=' '
1760 IF A$<>'0' THEN 1780
1770 S$=' '
1780 PRINT USING 1790:P$,U$,S$
1790 IMAGE 1x,55a,1x,1a,6x,1a
1800 IF J=24 THEN 1830
1810 IF J=48 THEN 1830
1820 GO TO 1860
1830 MOVE D,0
1840 PRINT 'Press HOME/PAGE to continue'
1850 GOSUB 1870
1860 RETURN
1870 MOVE 0,100
1880 PRINT @32,20:120,100,120,10,0,10,0,100
1890 MOVE 0,92
1900 PRINT @32,20:120,92,120,21,0,21
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1910 MOVE 4,92
1920 DRAW 4,10
1930 MOVE 10,92
1940 DRAW 10,10
1950 MOVE 99,92
1960 DRAW 99,10
1970 MOVE 110,92
1980 DRAW 110,10
1990 MOVE 1,95
2000 PRINT T$
2010 MOVE 0,Y0-3.2*A
2020 PRINT USING 2030:
2030 IMAGE 1x,"C ID",8x,"OBJECTIVES",34x,"U.S. USSR"
2040 MOVE 0,Y0-5*A
2050 RETURN
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1 GO TO 100
24 IF KO=1 THEN 410
25 IF KO=2 THEN 1110
26 IF KO=3 THEN 1776
80 FIND 20
81 SAVE
82 PRINT 'Saved on 20'
83 END
100 DIM X$(8551),Y$(4276),Z$(26),K(90),L(91)
110 Z$='Press CONTINUE Key No. 6)'
120 D=20
130 A=8
140 YO=100
150 L=0
160 SET KEY
170 PAGE
180 MOVE D,YO
190 PRINT 'Selection of Crises by Problems'
200 MOVE D,YO-A
210 PRINT 'Select from full crisis list ? (Y or N) ';
220 INPUT A$
.230 K=1
240 IF A$='Y' THEN 270
250 FIND 15
260 READ @33:K
270 MOVE D,YO-2*A
280 PRINT 'The Problems will be listed.  Please enter U or S or B or N.'
290 MOVE D+5,YO-2.5*A
300 PRINT 'U -> Select case if action was taken by U.S.'
310 MOVE D+5,YO-3*A
320 PRINT 'S -> Select case if action taken by the Soviet Union'
330 MOVE D+5,YO-3.5*A
340 PRINT 'B -> Select case if action taken by both'
350 MOVE D+5,YO-4*A
360 PRINT 'N -> Ignore action in selecting cases'
370 MOVE D,YO-10*A
380 PRINT Z$
390 KO=1
400 END
410 PAGE
420 C=0
430 P$='U  1. DELAYED DECISION ON ACTION'
440 GOSUB 3000
450 P$='U  2. DELAYED TRANSMISSION OF DECISIONS/ORDERS'
460 GOSUB 3000
470 P$='U  3. EXTENSIVE INTER-AGENCY COORDINATION REQUIRED'
480 GOSUB 3000
490 P$='U  4. CONCURRENCE(S) LEGALLY REQUIRED FOR PROPOSED ACTION'
500 GOSUB 3000
510 P$='U  5. REFERRAL TO INTERNATIONAL AGENCIES REQUIRED'
520 GOSUB 3000
530 P$='U  6. PRESIDENT INVOLVED AS DECISION-MAKER'
540 GOSUB 3000
550 P$='U  8. MISPERCEPTION OF CONSTRAINTS'
560 GOSUB 3000
570 P$='B  9. CONSTRAINTS ON MILITARY ACTION'
580 GOSUB 3000
590 P$='B 10. CONSIDERATION OF DOMESTIC IMPACT'
600 GOSUB 3000
610 P$='B 11. CONSIDERATION OF INTERNATIONAL RELATIONS'
620 GOSUB 3000
630 P$='U 12. PROPOSED ACTION PRODUCTS DOMESTIC POLICY CONFLICT'
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640 GOSUB 3000
650 P$="B 13. PROPOSED ACTION PRODUCES FOREIGN POLICY CONFLICT"   20 - 2
660 GOSUB 3000
670 P$="U 14. LEGALITY OF PROPOSED ACTION IS AN ISSUE"
680 GOSUB 3000
690 P$="U 15. PRESIDENTIAL APPROVAL LEGALLY REQUIRED"
700 GOSUB 3000
710 P$="U 16. INADEQUATE COMMUNICATION FACILITIES"
720 GOSUB 3000
730 P$="U 17. INABILITY TO REINFORCE LOCAL UNITS IN TIME"
740 GOSUB 3000
750 P$="B 18. INABILITY TO PROVIDE ADDITIONAL LOGISTICAL SUPPORT"
760 GOSUB 3000
770 P$="U 19. INADEQUATE INTELLIGENCE INPUT FOR DECISION-MAKERS"
780 GOSUB 3000
790 P$="U 20. DELAY IN SECURING ADEQUATE FACTS"
800 GOSUB 3000
810 P$="U 21. FAILURE TO RECOGNIZE IMPORT OF INFORMATION"
820 GOSUB 3000
830 P$="B 22. CRISIS ACTIONS AFFECTED BY IDEOLOGICAL ISSUES"
840 GOSUB 3000
850 P$="B 23. CRISIS ACTIONS AFFECTED BY EMOTIONAL ISSUES"
860 GOSUB 3000
870 P$="B 24. MULTI-LINGUAL PROBLEMS"
880 GOSUB 3000
890 P$="U 25. PRESS RELATIONS/PUBLIC INFORMATION SIGNIFICANT"
900 GOSUB 3000
910 P$="U 26. DELAY IN CONTACTING PROPER INDIVIDUALS"
920 GOSUB 3000
930 P$="U 27. DISTRACTED ATTENTION DUE TO MULTIPLE CRISES"
940 GOSUB 3000
950 P$="U 28. BOREDOM"
960 GOSUB 3000
970 P$="U 29. FATIGUE"
980 GOSUB 3000
990 P$="U 30. FRUSTRATION"
1000 GOSUB 3000
1010 P$="U 31. TURNOVER OF KEY PERSONNEL"
1020 GOSUB 3000
1030 P$="U 32. CHOICE OF COMMANDER AND STAFF"
1040 GOSUB 3000
1050 P$="U 33. SUDDEN CALL-UP/DISPATCH OF TROOPS"
1060 GOSUB 3000
1070 MOVE D+10,5
1080 PRINT Z$
1090 KO=2
1100 END
1110 PAGE
1120 P$="U 34. INTERMEDIATE HEADQUARTERS/CHAIN OF COMMAND"
1130 GOSUB 3000
1140 P$="U 35. NO CLEAR LINES OF RESPONSIBILITY"
1150 GOSUB 3000
1160 P$="U 36. LOSS OR TRANSFER OF KEY PERSONNEL"
1170 GOSUB 3000
1180 P$="U 37. JOINT OPERATION-LANGUAGE"
1190 GOSUB 3000
1200 P$="B 38. ACTION IN FRIENDLY COUNTRY (AREA)"
1210 GOSUB 3000
1220 P$="B 39. ACTION IN HOSTILE COUNTRY (AREA)"
1230 GOSUB 3000
1240 P$="U 40. DELAY IN RECEIPT OF DECISION/ORDERS"
1250 GOSUB 3000
1260 P$="U 41. PUBLIC RELATIONS/PRESS CENSORSHIP"
1270 GOSUB 3000
1280 P$="U 42. INADEQUATE COMMUNICATIONS FOR OPERATING FORCES"
1290 GOSUB 3000
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1300 P$='U 43. FATIGUE'
1310 GOSUB 3000
1320 P$='U 44. LACK OF ACTIVITY-BOREDOM'
1330 GOSUB 3000
1340 P$='U 45. FAILURE TO ACQUIRE ADEQUATE INFORMATION IN TIME'
1350 GOSUB 3000
1360 P$='U 46. ACT ON INADEQUATE/INCORRECT INFORMATION'
1370 GOSUB 3000
1380 P$='U 47. DELAY/FAIL IN TRANSMISSION OF INFORMATION'
1390 GOSUB 3000
1400 P$='B 48. ACTION INADEQUATE TO PREVENT CRISIS'
1410 GOSUB 3000
1420 P$='U 49. ACTION INADEQUATE TO SOLVE CRISIS'
1430 GOSUB 3000
1440 P$='B 50. FORCES INADEQUATE TO SOLVE CRISIS'
1450 GOSUB 3000
1460 P$='B 51. FAILURE TO EXECUTE ACTION IN TIME'
1470 GOSUB 3000
1480 P$='B 52. INADEQUATE LOCAL LOGISTICAL SUPPORT'
1490 GOSUB 3000
1500 P$='B 53. INADEQUATE CONTROL OF LOCAL FORCES'
1510 GOSUB 3000
1520 P$='U 54. READINESS OF FORCES'
1530 GOSUB 3000
1540 P$='U 55. AVAILABILITY OF FORCES (PRIORITY)'
1550 GOSUB 3000
1560 P$='U 56. CHOICE OF UNITS'
1570 GOSUB 3000
1580 P$='U 57. EQUIPMENT AVAILABILITY'
1590 GOSUB 3000
1600 P$='B 58. AVAILABILITY OF LIFT (SEA/AIR)'
1610 GOSUB 3000
1620 P$='U 59. REPLACEMENT REQUIREMENTS IN DEPLOYING UNITS'
1630 GOSUB 3000
1640 P$='B 60. GEOGRAPHY - TERRAIN - CLIMATE'
1650 GOSUB 3000
1660 P$='B 61. DISTANCE TO CRISIS AREA'
1670 GOSUB 3000
1680 P$='U 62. UNIQUE LOGISTICS/COMMUNICATIONS REQUIREMENTS'
1690 GOSUB 3000
1700 P$='U 63. NEED FOR ADDITIONAL/SPECIAL INTELLIGENCE'
1710 GOSUB 3000
1720 P$='U 64. SECURITY/ SENSIVITY A FACTOR'
1730 GOSUB 3000
1740 P$='U 65. NO APPROPRIATE PLANS READY FOR CRISIS CONTINGENCY'
1750 GOSUB 3000
1760 P$='U 66. CONTINGENCY PLANS EXIST BUT ARE INADEQUATE'
1770 GOSUB 3000
1772 MOVE D,5
1773 PRINT Z$
1774 K0=3
1775 END
1776 PAGE
1780 P$='U 67. CONTINGENCY PLANS EXIST BUT ARE NOT FOLLOWED'
1790 GOSUB 3000
1800 P$='U 68. SITUATION NOT RECOGNIZED INITIALLY; ACTION NOT TIMELY'
1810 GOSUB 3000
1820 P$='U 69. SITUATION RECOGNIZED; ACTIONS INADEQUATE'
1830 GOSUB 3000
1840 P$='B 70. CRISIS DEVELOPS DESPITE ADEQUATE ACTIONS'
1850 GOSUB 3000
1860 P$='B 71. OVER-REACTION TO CRISIS'
1870 GOSUB 3000
1880 P$='B 72. LATE POLITICAL-MILITARY INVOLVEMENT'
1890 GOSUB 3000
1900 P$='B 73. MILITARY INVOLVED AT ONSET'
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1910 GOSUB 3000
1920 P$="B 74. SITUATION DEVELOPS OVER TIME BEFORE CRISIS LEVEL" 20 - 4
1930 GOSUB 3000
1940 P$="B 75. SITUATION DEVELOPS OVER TIME BUT CRISIS IS SUDDEN"
1950 GOSUB 3000
1960 P$="U 76. CRISIS OCCURS WITHOUT WARNING"
1970 GOSUB 3000
1980 P$="B 77. SUDDEN CRISIS WITH PROLONGED ACTION/SOLUTION"
1990 GOSUB 3000
2000 P$="B 78. PROLONGED CRISIS WITH INTERMITTENT PEAKS"
2010 GOSUB 3000
2020 P$="B 79. MULTI-CRISES"
2030 GOSUB 3000
2040 P$="S 80. PERCEIVED THREAT TO HOMELAND"
2050 GOSUB 3000
2060 P$="S 81. PERCEIVED THREAT TO KEY REGIONS"
2070 GOSUB 3000
2080 P$="S 82. FEAR OF GERMANY"
2090 GOSUB 3000
2100 P$="S 83. FEAR OF ENCIRCLEMENT BY WESTERN STATES"
2110 GOSUB 3000
2120 P$="S 84. SENSITIVITY TO CRITICISM FROM ALLIES"
2130 GOSUB 3000
2140 P$="S 85. OTHER MARXIST-LENINIST STATES INVOLVED"
2150 GOSUB 3000
2160 P$="S 86. OPPONENTS INCLUDE MARXIST-LENINIST STATES"
2170 GOSUB 3000
2180 P$="S 87. JOINT OPERATIONS WITH MARXIST-LENINIST STATES"
2190 GOSUB 3000
2200 P$="S 88. LOCAL CP'S AND MOVEMENTS THREATENED"
2210 GOSUB 3000
2220 P$="S 89. LOCAL CP'S AND MOVEMENTS FAIL TO FOLLOW SOVIETS"
2230 GOSUB 3000
2240 P$="S 90. LOCAL CP'S AND MOVEMENTS OPPOSE SOVIETS"
2250 GOSUB 3000
2260 P$="S 91. LITTLE MILITARY EXPERIENCE IN CRISIS THEATER"
2270 GOSUB 3000
2272 MOVE D,20
2280 PRINT "Problems selected.  The file will be searched for crises ";
2290 PRINT "with"
2300 PRINT "these problems."
2310 PRINT "The Problems data are being read from tape."
2320 FIND 21
2330 READ @33:X$,Y$
2340 X$=X$&Y$
2350 FOR I=1 TO 90
2360 IF K(I)=0 THEN 2900
2370 IO=(I-1)*95
2380 A$=SEG(X$,IO+1,1)
2390 IF A$="0" THEN 2900
2400 FOR J=1 TO 91
2402 IF L(C)=0 THEN 2890
2410 A$=SEG(X$,IO+J+4,1)
2412 IF A$="5" THEN 2890
2420 L$=STR(L(J))
2430 IF A$=L$ THEN 2890
2500 K(I)=0
2510 GO TO 2900
2890 NEXT J
2900 NEXT I
3000 C=C+1
3010 P$=P$&" "
3020 PRINT P$;
3030 INPUT A$
3032 IF A$="p" THEN 2272
3040 IF A$="p" THEN 3100
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3050 IF A$='b' THEN 3110
3060 IF A$='s' THEN 3090
3070 L(C)=1
3080 GO TO 3120
3090 L(C)=2
3100 GO TO 3120
3110 L(C)=3
3120 RETURN
```

```
1 GO TO 100
24 IF KO=1 THEN 410
25 IF KO=2 THEN 1110
26 IF KO=3 THEN 1776
28 GO TO 240
80 FIND 22
81 SAVE
82 PRINT 'Saved on 22'
83 END
100 DIM X$(8551),B$(4276),Z$(30),K(90)
110 Z$='Press HOME/PAGE to continue'
120 D=20
130 A=4
140 YO=100
150 SET KEY
160 PAGE
170 MOVE D,YO
180 PRINT 'The PROBLEMS data are being read from tape.'
190 FIND 21
200 READ @33:X$,B$
210 X$=X$&B$
220 FIND 15
230 READ @33:K
240 FIND 16
250 PAGE
270 FOR I=1 TO 90
272 L=24
280 IF K(I)=0 THEN 2220
290 INPUT @33:Q$
300 T$=SEG(Q$,9,LEN(Q$)-8)
310 IO=(I-1)*95
320 A$=SEG(X$,IO+3,1)
330 GOSUB 2460
340 IF A$<>'0' THEN 420
350 MOVE D+10,YO-10*A
360 PRINT 'No data for this case.'
370 FOR QO=1 TO 50
380 Q=SQR(99999)
390 NEXT QO
400 PAGE
410 GO TO 2220
420 J=0
430 P$='U  1. DELAYED DECISION ON ACTION'
440 GOSUB 2270
450 P$='U  2. DELAYED TRANSMISSION OF DECISIONS/ORDERS'
460 GOSUB 2270
470 P$='U  3. EXTENSIVE INTER-AGENCY COORDINATION REQUIRED'
480 GOSUB 2270
490 P$='U  4. CONCURRENCE(S) LEGALLY REQUIRED FOR PROPOSED ACTION'
500 GOSUB 2270
510 P$='U  5. REFERRAL TO INTERNATIONAL AGENCIES REQUIRED'
520 GOSUB 2270
530 P$='U  6. PRESIDENT INVOLVED AS DECISION-MAKER'
540 GOSUB 2270
550 P$='U  8. MISPERCEPTION OF CONSTRAINTS'
560 GOSUB 2270
570 P$='B  9. CONSTRAINTS ON MILITARY ACTION'
580 GOSUB 2270
590 P$='B 10. CONSIDERATION OF DOMESTIC IMPACT'
600 GOSUB 2270
610 P$='B 11. CONSIDERATION OF INTERNATIONAL RELATIONS'
620 GOSUB 2270
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630 P$='U 12. PROPOSED ACTION PRODUCES DOMESTIC POLICY CONFLICT' 22 - 2
640 GOSUB 2270
650 P$='B 13. PROPOSED ACTION PRODUCES FOREIGN POLICY CONFLICT'
660 GOSUB 2270
670 P$='U 14. LEGALITY OF PROPOSED ACTION IS AN ISSUE'
680 GOSUB 2270
690 P$='U 15. PRESIDENTIAL APPROVAL LEGALLY REQUIRED'
700 GOSUB 2270
710 P$='U 16. INADEQUATE COMMUNICATION FACILITIES'
720 GOSUB 2270
730 P$='U 17. INABILITY TO REINFORCE LOCAL UNITS IN TIME'
740 GOSUB 2270
750 P$='B 18. INABILITY TO PROVIDE ADDITIONAL LOGISTICAL SUPPORT'
760 GOSUB 2270
770 P$='U 19. INADEQUATE INTELLIGENCE INPUT FOR DECISION-MAKERS'
780 GOSUB 2270
790 P$='U 20. DELAY IN SECURING ADEQUATE FACTS'
800 GOSUB 2270
810 P$='U 21. FAILURE TO RECOGNIZE IMPORT OF INFORMATION'
820 GOSUB 2270
830 P$='B 22. CRISIS ACTIONS AFFECTED BY IDEOLOGICAL ISSUES'
840 GOSUB 2270
850 P$='B 23. CRISIS ACTIONS AFFECTED BY EMOTIONAL ISSUES'
860 GOSUB 2270
870 P$='B 24. MULTI-LINGUAL PROBLEMS'
880 GOSUB 2270
890 P$='U 25. PRESS RELATIONS/PUBLIC INFORMATION SIGNIFICANT'
900 GOSUB 2270
910 P$='U 26. DELAY IN CONTACTING PROPER INDIVIDUALS'
920 GOSUB 2270
930 P$='U 27. DISTRACTED ATTENTION DUE TO MULTIPLE CRISES'
940 GOSUB 2270
950 P$='U 28. BOREDOM'
960 GOSUB 2270
970 P$='U 29. FATIGUE'
980 GOSUB 2270
990 P$='U 30. FRUSTRATION'
1000 GOSUB 2270
1010 P$='U 31. TURNOVER OF KEY PERSONNEL'
1020 GOSUB 2270
1030 P$='U 32. CHOICE OF COMMANDER AND STAFF'
1040 GOSUB 2270
1050 P$='U 33. SUDDEN CALL-UP/DISPATCH OF TROOPS'
1060 GOSUB 2270
1070 P$='U 34. INTERMEDIATE HEADQUARTERS/CHAIN OF COMMAND'
1080 GOSUB 2270
1090 P$='U 35. NO CLEAR LINES OF RESPONSIBILITY'
1100 GOSUB 2270
1110 P$='U 36. LOSS OR TRANSFER OF KEY PERSONNEL'
1120 GOSUB 2270
1130 P$='U 37. JOINT OPERATION-LANGUAGE'
1140 GOSUB 2270
1150 P$='B 38. ACTION IN FRIENDLY COUNTRY (AREA)'
1160 GOSUB 2270
1170 P$='B 39. ACTION IN HOSTILE COUNTRY (AREA)'
1180 GOSUB 2270
1190 P$='U 40. DELAY IN RECEIPT OF DECISION/ORDERS'
1200 GOSUB 2270
1210 P$='U 41. PUBLIC RELATIONS/PRESS CENSORSHIP'
1220 GOSUB 2270
1230 P$='U 42. INADEQUATE COMMUNICATIONS FOR OPERATING FORCES'
1240 GOSUB 2270
1250 P$='U 43. FATIGUE'
1260 GOSUB 2270
1270 P$='U 44. LACK OF ACTIVITY-BOREDOM'
1280 GOSUB 2270
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1290 P$="U 45. FAILURE TO ACQUIRE ADEQUATE INFORMATION IN TIME"
1300 GOSUB 2270                                                    22 - 3
1310 P$="U 46. ACT ON INADEQUATE/INCORRECT INFORMATION"
1320 GOSUB 2270
1330 P$="U 47. DELAY/FAIL IN TRANSMISSION OF INFORMATION"
1340 GOSUB 2270
1350 P$="B 48. ACTION INADEQUATE TO PREVENT CRISIS"
1360 GOSUB 2270
1370 P$="U 49. ACTION INADEQUATE TO SOLVE CRISIS"
1380 GOSUB 2270
1390 P$="B 50. FORCES INADEQUATE TO SOLVE CRISIS"
1400 GOSUB 2270
1410 P$="B 51. FAILURE TO EXECUTE ACTION IN TIME"
1420 GOSUB 2270
1430 P$="B 52. INADEQUATE LOCAL LOGISTICAL SUPPORT"
1440 GOSUB 2270
1450 P$="B 53. INADEQUATE CONTROL OF LOCAL FORCES"
1460 GOSUB 2270
1470 P$="U 54. READINESS OF FORCES"
1480 GOSUB 2270
1490 P$="U 55. AVAILABILITY OF FORCES (PRIORITY)"
1500 GOSUB 2270
1510 P$="U 56. CHOICE OF UNITS"
1520 GOSUB 2270
1530 P$="U 57. EQUIPMENT AVAILABILITY"
1540 GOSUB 2270
1550 P$="B 58. AVAILABILITY OF LIFT (SEA/AIR)"
1560 GOSUB 2270
1570 P$="U 59. REPLACEMENT REQUIREMENTS IN DEPLOYING UNITS"
1580 GOSUB 2270
1590 P$="B 60. GEOGRAPHY - TERRAIN - CLIMATE"
1600 GOSUB 2270
1610 P$="B 61. DISTANCE TO CRISIS AREA"
1620 GOSUB 2270
1630 P$="U 62. UNIQUE LOGISTICS/COMMUNICATIONS REQUIREMENTS"
1640 GOSUB 2270
1650 P$="U 63. NEED FOR ADDITIONAL/SPECIAL INTELLIGENCE"
1660 GOSUB 2270
1670 P$="U 64. SECURITY/ SENSIVITY A FACTOR"
1680 GOSUB 2270
1690 P$="U 65. NO APPROPRIATE PLANS READY FOR CRISIS CONTINGENCY"
1700 GOSUB 2270
1710 P$="U 66. CONTINGENCY PLANS EXIST BUT ARE INADEQUATE"
1720 GOSUB 2270
1730 P$="U 67. CONTINGENCY PLANS EXIST BUT ARE NOT FOLLOWED"
1740 GOSUB 2270
1750 P$="U 68. SITUATION NOT RECOGNIZED INITIALLY; ACTION NOT TIMELY"
1760 GOSUB 2270
1770 P$="U 69. SITUATION RECOGNIZED; ACTIONS INADEQUATE"
1780 GOSUB 2270
1790 P$="B 70. CRISIS DEVELOPS DESPITE ADEQUATE ACTIONS"
1800 GOSUB 2270
1810 P$="B 71. OVER-REACTION TO CRISIS"
1820 GOSUB 2270
1830 P$="B 72. LATE POLITICAL-MILITARY INVOLVEMENT"
1840 GOSUB 2270
1850 P$="B 73. MILITARY INVOLVED AT ONSET"
1860 GOSUB 2270
1870 P$="B 74. SITUATION DEVELOPS OVER TIME BEFORE CRISIS LEVEL"
1880 GOSUB 2270
1890 P$="B 75. SITUATION DEVELOPS OVER TIME BUT CRISIS IS SUDDEN"
1900 GOSUB 2270
1910 P$="U 76. CRISIS OCCURS WITHOUT WARNING"
1920 GOSUB 2270
1930 P$="B 77. SUDDEN CRISIS WITH PROLONGED ACTION/SOLUTION"
1940 GOSUB 2270
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1950 P$="B 78. PROLONGED CRISIS WITH INTERMITTENT PEAKS"
1960 GOSUB 2270
1970 P$="B 79. MULTI-CRISES"
1980 GOSUB 2270
1990 P$="S 80. PERCEIVED THREAT TO HOMELAND"
2000 GOSUB 2270
2010 P$="S 81. PERCEIVED THREAT TO KEY REGIONS"
2020 GOSUB 2270
2030 P$="S 82. FEAR OF GERMANY"
2040 GOSUB 2270
2050 P$="S 83. FEAR OF ENCIRCLEMENT BY WESTERN STATES"
2060 GOSUB 2270
2070 P$="S 84. SENSITIVITY TO CRITICISM FROM ALLIES"
2080 GOSUB 2270
2090 P$="S 85. OTHER MARXIST-LENINIST STATES INVOLVED"
2100 GOSUB 2270
2110 P$="S 86. OPPONENTS INCLUDE MARXIST-LENINIST STATES"
2120 GOSUB 2270
2130 P$="S 87. JOINT OPERATIONS WITH MARXIST-LENINIST STATES"
2140 GOSUB 2270
2150 P$="S 88. LOCAL CP'S AND MOVEMENTS THREATENED"
2160 GOSUB 2270
2170 P$="S 89. LOCAL CP'S AND MOVEMENTS FAIL TO FOLLOW SOVIETS"
2180 GOSUB 2270
2190 P$="S 90. LOCAL CP'S AND MOVEMENTS OPPOSE SOVIETS"
2200 GOSUB 2270
2210 P$="S 91. LITTLE MILITARY EXPERIENCE IN CRISIS THEATER"
2212 MOVE D,0
2214 PRINT Z$
2220 NEXT I
2226 MOVE D,YO-8*A
2230 PRINT "All PROBLEMS printed."
2240 MOVE D,YO-12*A
2250 PRINT " Press Key No. 10 to return to the Introduction."
2260 END
2270 J=J+1
2280 A$=SEG(X$,IO+4+J,1)
2290 U$="X"
2300 S$="X"
2310 IF A$="3" THEN 2370
2320 IF A$="1" THEN 2360
2330 IF A$="2" THEN 2340
2340 U$=" "
2350 IF A$<>"0" THEN 2370
2360 S$=" "
2370 IF LEN(S$)<61 THEN 2378
2372 S$=SEG(S$,1,60)
2378 PRINT USING 2380:P$,U$,S$
2380 IMAGE 1x,60a,4x,1a,3x,1a
2390 IF J=L THEN 2410
2400 GO TO 2450
2410 MOVE D,0
2420 PRINT "Press HOME/PAGE to continue"
2430 L=L+24
2440 GOSUB 2460
2450 RETURN
2460 MOVE 0,100
2470 PRINT @32,20:130,100,130,10,0,10,0,100
2480 MOVE 0,92
2490 PRINT @32,20:130,92,130,34,0,84
2500 MOVE 4,92
2510 DRAW 4,10
2520 MOVE 10,92
2530 DRAW 10,10
2540 MOVE 109,92
2550 DRAW 109,10
```

211

```
2560 MOVE 120,92
2570 DRAW 120,10
2580 MOVE 1,95
2590 PRINT T$
2600 MOVE 0,Y0-3.2*A
2610 PRINT USING 2620:
2620 IMAGE 1x,"C ID",8x,"PROBLEMS  ",40x,"U.S. USSR"
2630 MOVE 0,Y0-5*A
2640 RETURN
```

SOVIET AID

```
1 GO TO 100
4 A=5
5 B=12
6 C=14
7 GO TO 88
8 A=6
9 B=15
10 C=17
11 GO TO 88
12 A=7
13 B=19
14 C=21
15 GO TO 88
16 A=8
17 B=22
18 C=24
19 GO TO 88
20 A=11
21 B=30
22 C=32
23 GO TO 88
24 IF KO=0 THEN 490
25 IF KO=1 THEN 1100
26 IF KO=2 THEN 730
27 IF KO>2 THEN 70
28 GO TO 1100
32 A=9
33 B=27
34 C=27
35 GO TO 88
36 A=10
37 B=29
38 C=29
39 GO TO 88
40 NO=4
41 GO TO 96
44 NO=12
45 GO TO 96
48 NO=15
49 GO TO 96
52 NO=19
53 GO TO 96
56 NO=22
57 GO TO 96
60 NO=30
61 GO TO 96
70 IF KO=3 THEN 1420
71 END
80 FIND 3
81 SAVE
82 PRINT 'Saved on 3'
83 END
88 NO=A
89 IF KO=3 THEN 96
90 NO=C
91 IF KO=4 THEN 96
92 NO=B
93 IF KO=5 THEN 96
94 PRINT 'Error: kO=',KO
95 END
96 FIND NO
97 OLD
```

```
98 RUN
99 END
100 DIM Z$(26),K$(387),M$(50),N$(37)
110 DATA '00000000000000000000000000000000000000000000000000'
120 READ M$
130 N$=SEG(M$,1,37)
140 Y=80
150 D=5
160 PAGE
170 T$='C R I S I S   M A N A G E M E N T   E X E C U T I V E   A I D'
180 GOSUB 440
190 Y=Y-2*D
200 T$='Developed By'
210 GOSUB 440
220 Y=Y-D
230 T$='CACI, Inc.-Federal'
240 GOSUB 440
250 Y=Y-2*D
260 T$='For'
270 GOSUB 440
280 Y=Y-D
290 T$='DARPA'S Cybernetics Technology Office'
300 GOSUB 440
310 Y=Y-D*2
320 T$='Under Contract No. N00014-77-C-0135'
330 GOSUB 440
340 MOVE 4.5,4.5
350 PRINT @32,20:4.5,98,128,98,128,4.5,4.5,4.5
360 MOVE 3,3
370 PRINT @32,20:3,99.5,129.5,99.5,129.5,3,3,3
380 FOR L=1 TO 60
390 X=SQR(9999)
400 NEXT L
410 K0=0
420 GO TO 490
430 REM***Subroutine to center and print line***
440 L=LEN(T$)
450 X=(130-L*1.81)/2
460 MOVE X,Y
470 PRINT T$
480 RETURN
490 Z$='Press CONTINUE (Key No. 6)'
500 PAGE
510 MOVE 30,95
520 PRINT 'CRISIS MANAGEMENT EXECUTIVE AID'
530 MOVE 20,84
540 PRINT 'This aid consists of three data sets:'
550 MOVE 32,69
560 PRINT 'o 315 U.S. Crises (1946-1976)'
570 MOVE 32,63
580 PRINT 'o 386 Soviet Crises (1946-1975)'
590 MOVE 32,57
600 PRINT 'o 386 Chinese Crises (1949-1973)'
610 MOVE 20,49
620 PRINT 'and retrieval programs that allow you to examine them.'
630 MOVE 20,40
640 PRINT 'You will control program operations by the Program Keys'
650 MOVE 20,37
660 PRINT '(Upper left keyboard) and by responding to questions'
670 MOVE 20,34
680 PRINT 'posed by the program.'
690 MOVE 20,3
700 PRINT Z$
710 K0=2
720 END
730 PAGE
```

```
740 MOVE 15,85
750 PRINT 'For this purpose, a CRISIS is defined as:'          3 - 3
760 MOVE 12,82
770 PRINT @32,20:107,82,107,76,12,76,12,82
780 MOVE 15,78
790 PRINT ''A period of unusual military management activity.''
800 MOVE 15,64
810 PRINT 'Two procedures are available to you:'
820 MOVE 25,54
830 PRINT '(1) Selection of Crises';
840 PRINT @32,20:32,54
850 MOVE 32,49
860 PRINT 'By identification no.'
870 MOVE 32,46
880 PRINT 'By key-word search of the titles'
890 MOVE 32,43
900 PRINT 'By search for selected charactistics'
910 MOVE 25,34
920 PRINT '(2) Examination of Selected Crises';
930 PRINT @32,20:32,34
940 MOVE 32,29
950 PRINT 'o By printing the Titles'
960 MOVE 32,26
970 PRINT 'o                    Descriptors'
980 MOVE 32,23
990 PRINT 'o                    Actions'
1000 MOVE 32,20
1010 PRINT 'o                    Objectives'
1020 MOVE 32,17
1030 PRINT 'o                    Problems'
1040 MOVE 32,14
1050 PRINT 'o                    Outcomes'
1060 MOVE 10,5
1070 PRINT Z$
1080 K0=1
1090 END
1100 PAGE
1110 MOVE 20,90
1120 PRINT 'You are in the SOVIET Section.';
1130 PRINT @32,20:20,90
1140 MOVE 20,80
1150 PRINT 'o For general information, press HELP.'
1160 MOVE 20,74
1170 PRINT 'o For information about the individual data files and'
1180 MOVE 20,70
1190 PRINT '  and programs, press the desired Program Key.'
1200 MOVE 20,63
1210 PRINT 'o To proceed directly to crisis selection, press CONTINUE.'
1220 MOVE 20,55
1230 PRINT 'Summary of Program Keys'
1240 MOVE 30,49
1250 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
1260 MOVE 30,45
1270 PRINT 'o No. 2 - SOVIET ACTIONS (Information)'
1280 MOVE 30,41
1290 PRINT 'o No. 3 - SOVIET OBJECTIVES (Information)'
1300 MOVE 30,37
1310 PRINT 'o No. 4 - MANAGEMENT PROBLEMS (Information)'
1320 MOVE 30,33
1330 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
1340 MOVE 30,29
1350 PRINT 'o No. 6 - CONTINUE (To crisis selection)'
1360 MOVE 30,25
1370 PRINT 'o No.10 - HELP (For general information)'
1380 MOVE 30,5
1390 PRINT 'Press Selected Program Key'
```

```
1400 K0=3
1410 END                                                      3 - 4
1420 PAGE
1430 MOVE 20,90
1440 PRINT 'Use previously selected crisis set ? (Y or N) ';
1450 INPUT A$
1460 IF A$='N' THEN 1660
1470 MOVE 15,80
1480 PRINT 'Proceed to crisis examination by pressing desired program ';
1490 PRINT 'Key.'
1500 K0=4
1510 MOVE 20,60
1520 PRINT 'Summary of Keys :'
1530 MOVE 30,50
1540 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
1550 MOVE 30,45
1560 PRINT 'o No. 2 - SOVIET ACTIONS'
1570 MOVE 30,40
1580 PRINT 'o No. 3 - SOVIET OBJECTIVES'
1590 MOVE 30,35
1600 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
1610 MOVE 30,30
1620 PRINT 'o No. 5 - CRISIS OUTCOMES'
1630 MOVE 30,5
1640 PRINT 'Press Selected Program Key'
1650 END
1660 MOVE 20,80
1670 PRINT 'Crisis Selection - By Id. no. ? (Y or N) ';
1680 INPUT A$
1690 IF A$='Y' THEN 1910
1700 MOVE 20,75
1710 PRINT '                    By Key-Word Search ? (Y or N) ';
1720 INPUT A$
1730 IF A$='N' THEN 1760
1740 N0=26
1750 GO TO 89
1760 MOVE 20,70
1770 PRINT '                    By Selected Characteristics ?(Y or N) ';
1780 INPUT A$
1790 IF A$='n' THEN 1830
1800 K0=5
1810 MOVE 15,60
1820 GO TO 1510
1830 MOVE 15,60
1840 PRINT 'You must choose one of these ways of crisis selection.'
1850 FOR K=1 TO 40
1860 B=SQR(9999)
1870 NEXT K
1880 GO TO 1420
1890 K0=4
1900 END
1910 PAGE
1920 K$=M$
1930 FOR K=1 TO 6
1940 K$=K$&M$
1950 NEXT K
1960 K$=K$&N$
1970 MOVE 20,90
1980 PRINT 'Selection by Crisis Id. No. (See Crisis list in'
1990 MOVE 20,85
2000 PRINT 'User's Manual.)'
2010 MOVE 20,30
2020 Q$='Enter Id. No. '
2030 P$='(1-386); End by entering 0.'
2040 W$=Q$&P$
2050 PRINT W$
```

```
2060 INPUT A$
2070 IF A$='0' THEN 2110
2080 N=VAL(A$)
2090 K$=REP('1',N,1)
2100 GO TO 2060
2110 PAGE
2120 MOVE 30,90
2130 PRINT 'Selection finished.'
2140 FIND 18
2150 WRITE @33:K$
2160 MOVE 30,70
2170 PRINT 'To print information about the cases you have'
2180 MOVE 30,66
2190 PRINT 'selected, press one of the Program Keys :'
2200 K0=4
2210 GO TO 1530
2220 END
```

217

```
1 GO TO 100
24 NO=3
25 GO TO 90
40 NO=10
41 GO TO 90
80 FIND 5
81 SAVE
82 PRINT 'Saved on 5'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Z$(31)
102 PAGE
104 Z$='Press HOME/PAGE to clear screen'
109 PRINT 'CHARACTERISTICS OF THE 386 SOVIET CRISIS (1946 - 1975)'
110 PRINT
210 PRINT '1. CRISIS LOCATION'
220 PRINT '    1 = North America'
230 PRINT '    2 = Central and South America'
240 PRINT '    3 = Western Europe, Mediterranean, Atlantic'
250 PRINT '    4 = Eastern Europe and Soviet Union'
260 PRINT '    5 = Middle East and North Africa'
270 PRINT '    6 = South Asia, Indian Ocean, and Sub-Saharan Africa'
280 PRINT '    7 = Pacific and East Asia'
290 PRINT '    8 = Polar Regions (Arctic and Antarctica)'
300 PRINT '    9 = Space'
310 PRINT '    0 = Multiple, the World'
320 PRINT
330 PRINT '4. CRISIS CHARACTER'
340 PRINT '    1 = Potential, threat of'
350 PRI '    2 = Attempted/unsuccessful (often used with coup attempts)'
360 PRINT '    3 = Actual/ successful'
370 PRINT
380 PRINT '5. TYPE OF CRISIS'
390 PRINT '    1= Dangerous domestic trend, domestic events'
400 PRINT '    2 = Riot, other civil disorder'
410 PRINT '    3 = Uprising, revolt, insurgency'
420 PRINT '    4 = War of national liberation'
430 PRINT '    5 = Coups'
440 PRINT '    6 = Structural change (shift in political alignments,'
450 PRINT '          dangerous international trends/events)'
460 PRINT '    7 = Border incidents/disputes'
470 PRINT '    8 = Foreign interventions, conflicts short of war'
480 PRINT '    9 = War'
490 MOVE 20,0
492 PRINT Z$
500 PRINT '6. SCOPE'
510 PRINT '    1 = Domestic'
520 PRINT '    2 = International'
530 PRINT
540 PRINT '7. THREATS TO COMMUNIST PARTY, MOVEMENTS, REGIMES'
550 PRINT '    1 = Neither survival nor well-being threatened'
560 PRINT '    2 = Well-being threatened'
570 PRINT '    3 = Survival threatened (or perceived as threatened)'
580 PRINT
590 PRINT '8. LEVEL OF VIOLENCE'
600 PRINT '    1 = Nonviolent'
610 PRINT '    2 = Violent events (People injured, property destroyed)'
620 PRINT
```

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-630 PRINT "9. GEO-POLITICAL LOCATION (WITH RESPECT TO THE USSR)"
 640 PRINT "    1 = Not geographical"
 650 PRINT "    2 = Homeland (USSR)"
 660 PRINT "  . 3 = Germanies/Berlin"
 670 PRINT "    4 = Primary buffer zone (Warsaw Pact states)"
 680 PRINT "    5 = Peoples' Republic of China (PRC)"
 690 PRINT "    6 = Key border states (Norway, Finland, Turkey, Iran,"
 700 PRINT "        Afghanistan, Mongolia, North Korea, Japan, Alaska)"
 710 PRINT "    7 = Middle East"
 720 PRINT "    8 = Other (Non-key regions)"
 730 PRINT
 740 PRINT "10. SOVIET INVOLVEMENT"
 750 PRINT "    1 = Soviets not directly involved"
 760 PRINT "    2 = Soviets directly involved"
 770 PRINT
 780 PRINT "11. NATURE OF CONFRONTATION"
 790 PRINT "    1 = Internal"
 800 PRINT "    2 = Two or more large powers involved"
 810 PRINT "    3 = Large/small power mix"
 820 PRINT "    4 = Small powers only"
 822 MOVE 20,0
 824 PRINT Z$
 830 PRINT
 840 PRINT "12. STRATEGIC CONFRONTATION"
 850 PRINT "    1 = No"
 860 PRINT "    2 = Potential"
 870 PRINT "    3 = Actual"
 880 PRINT
 890 PRINT "13. DURATION"
 900 PRINT "    1 = Short (One week or less)"
 910 PRINT "    2 = Medium (One week to one month)"
 920 PRINT "    3 = Long (One week to one month)"
 930 PRINT "    4 = Very long (More than one year)"
 940 PRINT
 950 PRINT "14. SOVIET OBJECTIVES FOR IN-THEATER SUPPORTED ACTORS"
 960 PRI  "    1 = Preserve status quo ante (defined as the state existing"
 970 PRINT "           on the day before start of crisis)"
 980 PRINT "    2 = Restore status quo ante"
 990 PRINT "    3 = Change status quo ante"
1000 PRINT "    4 = Other"
1010 PRINT "    5 = Indifference"
1020 PRINT
1030 PRINT "15. SOVIET OBJECTIVES FOR THE IN-THEATER OPPOSED ACTORS"
1040 PRINT "    1 = Oppose efforts to preserve status quo ante"
1050 PRINT "    2 = Oppose efforts to restore status quo ante"
1060 PRINT "    3 = Oppose efforts to change status quo ante"
1070 PRINT "    4 = Other"
1080 PRINT "    5 = Indifference (Both sides considered anti-Soviet)"
1090 PRINT
1100 PRINT "16. SOVIET IN-THEATER MANAGEMENT CAPABILITY"
1110 PRINT "    1 = Substantial (e.g. Eastern Europe)"
1120 PRINT "    2 = Moderate (e.g.Eastern Med since 1967)"
1130 PRINT "    3 = Minor/negligible"
1132 MOVE 20,0
1134 PRINT Z$
1140 PRINT
1150 PRINT "17. SOVIET VERBAL BEHAVIOR"
1160 PRINT "    1 = Existence of events/situation noted"
1170 PRINT "    2 = Verbal activities focused on crisis short of threats"
1180 PRINT
1190 PRINT "18. SOVIET PHYSICAL ACTIONS"
1200 PRINT "    1 = No data available indicating action(s) taken"
1210 PRINT "    2 = Action short of combat; few details available"
1220 PRINT "    3 = Action short of combat; no Soviet military personnel"
1230 PRINT "        in crisis area"
1240 PRINT "    4 = Action short of combat; Soviet military personnel in"
1250 PRINT "        crisis area"
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1260 PRINT '    5 = Combat involving Soviet military personnel'
1270 PRINT '    9 = No data'
1280 PRINT
1290 PRINT '19. CRISIS OUTCOME FOR USSR'
1300 PRINT '    1 = Favorable'
1310 PRINT '    2 = Mixed'
1320 PRINT '    3 = Unfavorable'
1330 PRINT '    4 = USSR indicates indifference to outcome'
1340 PRINT
1350 PRINT '20. CRISIS OUTCOME FOR SOVIET ALLIES'
1360 PRINT '    1 = Favorable'
1370 PRINT '    2 = Mixed'
1380 PRINT '    3 = Unfavorable'
1390 PRINT '    4 = USSR indicates indifference to outcome'
1400 PRINT '    9 = N/A (No apparent Soviet allies among crisis actors)'
1405 MOVE 20,10
1406 PRINT 'Press CONTINUE (No. 6) to return to the INTRODUCTION'
1408 END
```

```
1 GO TO 100
24 NO=3
25 GO TO 90
40 NO=10
41 GO TO 90
80 FIND 6
81 SAVE
82 PRINT 'Saved on 6'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Z$(40)
110 Z$='Press HOME/PAGE to clear screen'
120 PAGE
130 MOVE 40,100
140 PRINT 'SOVIET ACTIONS'
150 MOVE 0,90
160 PRINT ' 1. COMMIT LAND FORCES TO COMBAT'
170 PRINT ' 2. COMMIT AIR FORCES TO COMBAT'
180 PRINT ' 3. COMMIT SUPPORT SERVICES (LAND)'
190 PRINT ' 4. COMMIT SUPPORT SERVICES (SEA)'
200 PRINT ' 5. COMMIT SUPPORT SERVICES (AIR)'
210 PRINT ' 6. REPOSITION LAND FORCES'
220 PRINT ' 7. REPOSITION SEA FORCES'
230 PRINT ' 8. REPOSITION AIR FORCES'
240 PRINT ' 9. REDEPLOY NUCLEAR FORCES AS A DETERRENT'
250 PRINT '10. THREATEN NONNUCLEAR FORCES AS A DETERRENT'
260 PRINT '11. REDEPLOY NONUCLEAR FORCES AS A DETERRENT'
270 PRINT '12. CHANGE ALERT STATUS OF NONNUCLEAR FORCES'
280 PRINT '13. SHOW OF MILITARY FORCE'
290 PRINT '14. MILITARY BLOCKADE OR QUARANTINE'
300 PRINT '15. ISOLATED MILITARY CONTACT'
310 PRINT '16. MILITARY FORCES USED IN SEARCH AND RESCUE OPERATION'
320 PRINT '17. MILITARY MANEUVERS OR TRAINING EXERCISES'
330 PRINT '18. IMPROVE, MAINTAIN FORCE READINESS'
340 PRINT '19. COVERT MILITARY OPERATION'
350 PRINT '20. MILITARY INTERVENTION BETWEEN COMBATANTS'
360 PRINT '21. AIRLIFT PERSONNEL AND/OR SUPPLIES AND EQUIPMENT'
370 PRINT '22. PROVIDE MILITARY ADVISORY ASSISTANCE'
380 PRINT '23. PROVIDE MILITARY TRAINING FOR COMBAT TROOPS'
390 PRINT '24. PROVIDE OTHER MILITARY TRAINING'
400 PRINT '25. DRAWDOWN MILITARY EQUIPMENT FROM SOVIET UNITS'
410 PRINT '26. PROVIDE SUPPLIES FROM SOVIET DEPOTS'
420 PRINT '27. PROVIDE SUPPLIES FROM NON-MILITARY SOURCES'
430 PRINT '28. PROVIDE MILITARY MAINTENANCE ASSISTANCE'
440 PRINT '29. PROVIDE OTHER MILITARY LOGISTICS ASSISTANCE'
450 PRINT '30. PROVIDE OTHER MILITARY ASSISTANCE'
460 MOVE 20,0
470 PRINT Z$
480 PRINT '31. MAKE POLIT/ECON COMMITMENT IMPLYING NEW MILITARY MISSION'
490 PRINT '32. UNDERTAKE A NEW MILITARY MISSION'
500 PRINT '33. ACCEPT A NEW MILITARY COST'
510 PRINT '34. MODIFY AN EXISTING DEFENSE TREATY'
520 PRINT '35. MODIFY AN EXISTING BASE RIGHTS TREATY'
530 PRINT '36. MODIFY AN EXISTING STATUS OF FORCES AGREEMENT'
540 PRINT '37. SEEK ASSISTANCE IN DECISION-MAKING'
550 PRINT '38. TAKE NO MILITARY ACTION'
560 PRINT '39. EMPLOY DIPLOMACY'
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570 PRINT "40. MEDIATE A DISPUTE"
580 PRINT "41. THREATEN TO, OR ACTUALLY, WITHDRAW SUPPORT"
590 PRINT "42. ADVOCATE/SUPPORT PEACEKEEPING EFFORTS"
600 PRINT "43. IMPROVE SCIENTIFIC/TECHNICAL CAPABILITIES"
610 PRINT "44. REAFFIRM EXISTING POLITICAL/MILITARY COMMITMENT"
620 PRINT "45. LODGE PROTEST(S)"
630 PRINT "46. USSR ACTS ALONE"
640 PRINT "47. USSR ACTS WITH ONE OTHER NATION"
650 PRINT "48. USSR ACTS WITH TWO OR MORE OTHER NATIONS"
660 PRINT "49. UNITED NATIONS INVOLVED"
670 PRINT "50. MILITARY INTERVENTION IN A MARXIST-LENIST STATE"
680 PRINT "51. COOPERATIVE INTERVENTION IN A THIRD WORLD STATE"
690 PRINT "52. JOINT OPERATIONS WITH ANOTHER MARXIST-LENINIST STATE"
700 PRINT "53. UN-ASSOCIATED: RESORT TO VETO"
710 PRINT "54. UN ASSOCIATED: RESOLUTIONS AND/OR AMENDMENTS"
720 PRINT "55. UN-ASSOCIATED: SPEECHES AND/OR LETTERS"
730 PRINT "56. SUPPORT EXISTING REGIME"
740 PRINT "57. SUPPORT ANTI-REGIME INSURGENCY MOVEMENT"
750 PRINT "58. SUPPORT ANTI-REGIME CP OR CP MOVEMENT"
760 PRINT "59. PROVIDE POLITICAL/PROPAGANDA SUPPORT"
770 PRINT "60. PROVIDE ECONOMIC ASSISTANCE"
772 MOVE 20,0
774 PRINT Z$
780 PRINT "61. PROVIDE CRISIS-RELATED MILITARY AID"
790 PRINT "62. DIRECT USE OF MILITARY FORCES TO SUPPORT POLITICAL GOALS"
800 PRINT "63. USE OF WP, CMEA TO SUPPORT POLITICAL GOALS"
810 PRINT "64. USE OF INTERNATIONAL ORGANIZATIONS OTHER THAN UN,WP,CMEA"
820 MOVE 20,10
830 PRINT "Press CONTINUE (Key No. 6) to return to INTRODUCTION"
840 END
```

```
  1 GO TO 100
 24 FIND 3
 25 OLD
 26 RUN
 27 END
 80 FIND 7
 81 SAVE
 82 PRINT 'Saved on 7'
 83 END
100 PAGE
101 MOVE 30,100
102 PRINT 'SOVIET OBJECTIVES'
103 MOVE 0,90
104 Z$='Press HOME/PAGE to clear screen'
109 PRINT ' 1. DETER IMMINENT ATTACK'
110 PRINT ' 2. IMPROVE OR RECTIFY DETERRENCE POSTURE'
120 PRINT ' 3. PUT DOWN REBELLION'
130 PRINT ' 4. RESTORE A REGIME'
140 PRINT ' 5. REGAIN ACCESS TO ECONOMIC RESOURCES'
150 PRINT ' 6. RESTORE PEACE'
160 PRINT ' 7. RESTORE TERRITORIAL INTEGRITY'
170 PRINT ' 8. RESTORE MILITARY BALANCE OF POWER'
180 PRINT ' 9. RESTORE READINESS'
190 PRINT '10. PRESERVE READINESS'
200 PRINT '11. PRESERVE PEACE'
210 PRINT '12. CONFIRM OR RE-ESTABLISH PRESTIGE'
220 PRINT '13. PRESERVE TERRITORY AND/OR FACILITIES'
230 PRINT '14. PRESERVE REGIME FROM EXTERNAL THREAT'
240 PRINT '15. PRESERVE REGIME FROM INTERNAL THREAT'
250 PRINT '16. PRESERVE, RESTORE, OR IMPROVE ALLIANCE'
260 PRINT '17. PROTECT LEGAL AND POLITICAL RIGHTS'
270 PRINT '18. INDUCE MAINTENANCE OF CURRENT POLICY'
280 PRINT '19. DISSUADE FROM A NEW POLICY'
290 PRINT '20. PROTECT A MILITARY ASSET'
300 PRINT '21. SUPPORT A NEW GOVERNMENT'
310 PRINT '22. INDUCE NATIONAL REORIENTATION'
320 PRINT '23. INDUCE ADOPTION OF A NEW POLICY'
330 PRINT '24. BRING ABOUT THE FALL OF A REGIME'
340 PRINT '25. SUPPORT INSURGENCY'
350 PRINT '26. DENY POLITICAL ACCESS'
360 PRINT '27. DENY MILITARY ACCESS'
370 PRINT '28. ASSURE CONTINUED ECONOMIC ACCESS'
380 PRINT '29. PRESERVE OR REGAIN CONTROL OF THE SEA'
390 PRINT '30. PRESERVE OR REGAIN CONTROL OF THE AIR'
391 MOVE 20,0
392 PRINT Z$
400 PRINT '31. PROTECT HUMAN LIFE'
410 PRINT '32. PROVIDE SANCTUARY OR ASYLUM'
420 PRINT '33. SUPPORT CRITICAL NEGOTIATIONS'
430 PRINT '34. DISCOVER INTENTIONS OR ACTIONS'
440 PRINT '35. PREPARE FOR ALTERNATIVE MISSIONS'
450 PRINT '36. SUPPORT EFFORTS BY THE UNITED NATIONS'
460 PRINT '37. CONTAIN OPPONENT(S)'
470 PRINT '38. PREVENT SPREAD OF WAR'
480 PRINT '40. PRESERVE LINE OF COMMUNICATIONS'
490 PRINT '41. REGAIN TECHNICAL ADVANTAGE'
500 PRINT '42. RESTORE PRESTIGE'
510 PRINT '43. PRESERVE BALANCE OF POWER'
520 PRINT '44. PREVENT SPREAD OF CAPITALIST INFLUENCE'
530 PRINT '45. PREVENT NUCLEAR PROLIFERATION'
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540 PRINT '46. INSURE SELF-SUFFICIENCY'
550 PRINT '47. AVOID DIRECT INVOLVEMENT'
560 PRINT '48. PRESERVE SECRECY'
570 PRINT '49. PRESERVE ELITE POWER/POLITICAL SYSTEM WITHIN USSR'
580 PRINT '50. PRESERVE BUFFER SYSEM (EAST EUROPE AND MONGOLIA)'
590 PRINT '51. PRESERVE UNITY AND SOVIET PREEMINENCE IN INT'L COMMUNISM'
600 PRINT '52. PREVENT REEMERGENCE OF GERMANY AS A MAJOR POWER'
610 PRI '53. CONTAIN PRC EXPANSIONISM (IDEOL,POLIT, ECON, TERRITORIAL)'
620 PRINT '54. AVOID ISOLATION'
630 PRINT '55. MAXIMIZE SOVIET AND SOVIET LEADERSHIP PRESTIGE'
640 PRI '56. SUPPORT SHIFT IN CORRELATION OF GLOBAL FORCES vs CAPITAL';
641 PRINT 'ISM'
650 PRI '57. NEUTRALIZE/ELIMINATE WESTERN INFLUENCE IN THE THIRD WORLD'
660 PRINT '58. ACHIEVE EQUAL STATUS WITH U.S. AS GLOBAL SUPERPOWER'
670 PRINT '59. PREVENT INDEPENDENT ACTION BY UN SECRETARIAT'
680 PRI '60. ALTER BALANCE OF POWER FAVORABLE TO USSR, ALLIES, CLIENTS'
690 MOVE 20,10
700 PRINT 'Press CONTINUE (Key No. 6) to return to INTRIDUCTION'
710 END
```

```
1 GO TO 100
24 FIND 3
25 OLD
26 RUN
27 END
80 FIND 8
81 SAVE
82 PRINT 'Saved on 8'
83 END
100 PAGE
101 MOVE 20,100
102 PRINT 'SOVIET MANAGEMENT PROBLEMS'
103 MOVE 0,90
104 Z$='Press HOME/PAGE to clear screen'
110 PRINT '1. SYSTEM/PROCEDURAL CONSTRAINTS ON ACTIONS'
120 PRINT
130 PRINT 'Constraints on Military Action'
140 PRINT 'Consideration of Soviet Domestic Impact'
150 PRINT 'Consideration of International Relations'
160 PRINT 'Proposed Action Produces Foreign Policy Conflict'
170 PRINT
180 PRINT '2. RESOURCES INADEQUATE FOR DECISION-MAKING/ACTION'
190 PRINT
200 PRINT 'Inability to Reinforce Local Units in Time'
210 PRINT 'Inability to Provide Additional Logistical Support'
220 PRINT
230 PRINT '3. EMOTIONAL/IDEOLOGICAL ISSUES INVOLVED IN DECISION-MAKING'
240 PRINT
250 PRINT 'Crisis Actions Affected by Ideological Issues'
260 PRINT 'Crisis Actions Affected by Emotional Issues'
270 PRINT
280 PRINT '4. INTERPERSONAL FACTORS IN DECISION-MAKING'
290 PRINT
300 PRINT 'Multi-Lingual Problems'
310 PRINT 'Delay in Contacting Proper Individuals'
320 PRINT
330 PRINT '5. CONSTRAINTS ON OPERATIONS'
340 PRINT
350 PRINT 'Action in Friendly Country(Area)'
360 PRINT 'Action in Hostile Country(Area)'
370 MOVE 20,0
372 PRINT Z$
380 PRINT '6. FAILURES IN TAKING APPROPRIATE/TIMELY ACTION'
390 PRINT
400 PRINT 'Action Inadequate to Prevent Crisis'
410 PRINT 'Action Inadequate to Solve Crisis'
420 PRINT 'Forces Inadequate to Solve Crisis'
430 PRINT 'Failure to Execute Action in Time'
440 PRINT 'Inadequate Logistic Support'
450 PRINT 'Inadequate Control of Local Forces'
460 PRINT
470 PRINT '7. FORCE STATUS PROBLEMS'
480 PRINT
490 PRINT 'Non-Availability of Transportation (Sea/Air)'
500 PRINT
510 PRINT '8. PROBLEMS IN THE OPERATING ENVIRONMENT'
520 PRINT
530 PRINT 'Geography, Terrain, Climate'
540 PRINT 'Distance to Crisis Area'
550 PRINT 'Unique Logistics/Communication Requirements'
560 PRINT
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570 PRINT '9. GENERAL PROBLEMS IN CRISIS HANDLING'
580 PRINT
590 PRINT 'Crisis Develops Despite Substantial Actions'
600 PRINT 'Overreaction to Crisis'
610 PRINT 'Late Soviet Political-Military Involvement'
620 PRINT 'Soviet Political-Military Involvement at Outset'
630 PRINT
640 PRINT '10. GENERAL PROBLEMS IN CRISIS TIMING'
650 PRINT
660 PRINT 'Situation is Slow Developing'
670 PRINT 'Situation Develops Over Time; Crisis is Sudden'
680 PRINT 'Sudden Crisis with Prolonged Action/Solution'
690 PRINT 'Prolonged Crisis with Intermittant Peaks'
700 PRINT 'Simultaneous Multi-Crises'
710 MOVE 20,0
712 PRINT Z$
720 PRINT '11. PERCEPTUAL/PSYCHOLOGICAL PROBLEMS'
730 PRINT
740 PRINT 'Perceived Threat to Homeland'
750 PRINT 'Perceived Threat to Key Regions'
760 PRINT 'Fear of Germany'
770 PRINT 'Fear of Encirclement by Western States'
780 PRINT 'Sensivity to Criticism from Allies'
790 PRINT
800 PRINT '12. RELATIONS WITH OTHER MARXIST-LENINIST STATES'
810 PRINT
820 PRINT 'Other Marxist-Leninist States Involved'
830 PRINT 'Opponents Include Marxist-Leninist States'
840 PRINT 'Joint Operations with Other Marxist-Leninist States'
850 PRINT
860 PRINT '13. RELATIONS WITH LOCAL COMMUNIST PARTIES'
870 PRINT
880 PRINT 'Local CP's and Movements Threatened'
890 PRINT 'Local CP's and Movements Fail to Follow Soviets'
900 PRINT 'Local CP's and Movements Oppose Soviets'
910 PRINT
920 PRINT '14. TRANSPORTATION/LOGISTICAL PROBLEMS'
930 PRINT
940 PRINT 'Little Military Experience in Crisis Theater'
950 MOVE 0,10
952 PRINT 'Press  CONTINUE (Key No.6) to return to the INTRODUCTION'
```

```
1 GO TO 100
28 NO=3
29 GO TO 90
40 NO=4
41 GO TO 90
80 FIND 11
81 SAVE
82 PRINT 'Saved on 11'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 Y$='Press HOME/PAGE to continue'
101 LO=0
102 SET KEY
103 PAGE
104 MOVE 30,100
105 PRINT 'SOVIET GOALS'
106 C=0
107 MOVE 0,90
108 P$='Support Marxist-Leninist ideology'
109 GOSUB 222
110 P$='Enhance ideological unity of the fraternal CP's'
111 GOSUB 222
112 P$='Enhance ideological leadership of CPSU'
113 GOSUB 222
114 P$='Support other progressive ideologies'
115 GOSUB 222
116 P$='Enhance leadership of CPSU in international CP policy-making'
117 GOSUB 222
118 P$='Enhance unity of CP's in foreign affairs'
119 GOSUB 222
120 P$='Give support to CP's in developed capitalist states'
121 GOSUB 222
122 P$='Give support to CP's in developing states'
123 GOSUB 222
124 P$='Restore domestic stability in USSR'
125 GOSUB 222
126 P$='Oppose external interference in Soviet domestic affairs'
127 GOSUB 222
128 P$='Restore stability of non-Russian nationalities in USSR'
129 GOSUB 222
130 P$='Defend the first socialist state against external threats'
131 GOSUB 222
132 P$='Defend the fraternal socialist states'
133 GOSUB 222
134 P$='Support progressive and democratic forces abroad'
135 GOSUB 222
136 P$='Increase the prestige of Soviet armed forces'
137 GOSUB 222
138 P$='Rapid increase in USSR's economic capacity'
139 GOSUB 222
140 P$='Increase economic cooperation with fraternal socialist states'
141 GOSUB 222
142 P$='Expand beneficial peaceful relations with all states'
143 GOSUB 222
144 P$='Assist economic independence of developing states'
145 GOSUB 222
146 P$='Reduce chances of war with U.S. and NATO'
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148 P$='Increase beneficial exchanges with capitalist states'
149 GOSUB 222
150 P$='Press the anti-capitalist ideological struggle'
151 GOSUB 222
152 P$='Increase security of the E European buffer states'
153 GOSUB 222
154 P$='Oppose revival of militarism in West Germany'
155 GOSUB 222
156 P$='Promote the unity of fraternal socialist parties in Europe'
157 GOSUB 222
158 P$='Oppose anti-Soviet European-Chinese cooperation'
159 GOSUB 222
160 P$='Promote mutually useful cooperation with nonsocialist Europe'
161 GOSUB 222
162 P$='Defend fraternal socialist states in the third world'
163 GOSUB 222
164 P$='Defend progressive regimes, movements and states'
165 GOSUB 222
166 P$='Support economic independence of developing states'
167 GOSUB 222
168 P$='Increase Soviet prestige among developing states'
169 GOSUB 222
170 P$='Contain Chinese influence among developing states'
171 GOSUB 222
172 P$='Deter China from military adventurism against the USSR'
173 GOSUB 222
174 P$='Deter China from military adventurism vs fraternal parties'
175 GOSUB 222
176 P$='Support socialist states in Asia against other threats'
177 GOSUB 222
178 P$='Develop alternative transport route to the trans-Siberian rail'
179 GOSUB 222
180 P$='Undermine the legitimacy of PRC's territorial claims'
181 GOSUB 222
182 P$='Support Asian states with socialist orientation'
183 GOSUB 222
184 P$='Support beneficial relations with Asian nonsocialist states'
185 GOSUB 222
186 P$='Reduce NATO/CENTO threats to USSR'
187 GOSUB 222
188 P$='Support Middle Eastern and South Asian socialist states'
189 GOSUB 222
190 P$='Support Middle Eastern and South Asian progressive movements'
191 GOSUB 222
192 P$='Support economic independence of region from capitalist states'
193 GOSUB 222
194 P$='Secure Soviet naval access to the Indian Ocean'
195 GOSUB 222
196 P$='Defend African states proclaiming socialist intentions'
197 GOSUB 222
198 P$='Support African progressive regimes, movements and states'
199 GOSUB 222
200 P$='Support independence of African states'
201 GOSUB 222
202 P$='Increase Soviet influence in African states'
203 GOSUB 222
204 P$='Contain Chinese influence among African states'
205 GOSUB 222
206 P$='Defend Cuba against external threats'
207 GOSUB 222
208 P$='Avoid military confrontation with U.S. and OAS in S America'
209 GOSUB 222
210 P$='Encourage independence of Latin American states from U.S.'
211 GOSUB 222
212 P$='Increase solidarity among progressive and democratic forces'
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214 P$='Increase Soviet influence/prestige in Latin America'
215 GOSUB 222
216 GIN P,Q
217 MOVE 20,Q-10
218 PRINT 'All Soviet Goals listed.'
219 MOVE 20,30
220 PRINT 'Press CONTINUE (Key No. 7) to return to Introduction.'
221 END
222 PRINT P$
224 PRINT
226 GIN P,Q
227 IF Q>10 THEN 230
228 MOVE 20,0
229 PRINT Y$
230 RETURN
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 660
25 IF KO=2 THEN 95
26 IF KO=3 THEN 2430
28 GO TO 660
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
44 GO TO 660
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 12
81 SAVE
82 PRINT 'Saved on 12'
83 END
90 FIND NO
91 OLD
92 RUN
95 PAGE
96 GO TO 260
100 DIM X$(9001),K$(387),V$(50),Z$(26),L(20),L$(38)
110 DATA '00000000000000000000000000000000000000000000000000'
120 READ V$
130 L=0
140 SET KEY
150 K9=0
160 Z$='Press CONTINUE (Key No. 6)'
170 PAGE
180 MOVE 20,100
190 PRINT 'Selection of crises by CRISIS DESCRIPTORS'
200 MOVE 15,90
210 PRINT 'Use previously selected crisis set ? (Y or N) ';
220 INPUT A$
230 IF A$='N' THEN 420
240 MOVE 15,80
250 PRINT 'You may examine these crises.'
260 MOVE 20,70
270 PRINT 'o Key No. 1 - CRISIS DESCRIPTORS'
280 MOVE 20,65
290 PRINT 'o Key No. 2 - SOVIET ACTIONS'
300 MOVE 20,60
310 PRINT 'o Key No. 3 - SOVIET OBJECTIVES'
320 MOVE 20,55
330 PRINT 'o Key No. 4 - MANAGEMENT PROBLEMS'
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340 MOVE 20,50
350 PRINT 'o Key No. 5 - CRISIS OUTCOMES'                          12 - 2
360 MOVE 20,45
370 PRINT 'o Key No. 6 - CONTINUE (To print titles)'
380 MOVE 15,30
390 PRINT 'Press Program Key for desired data file.'
400 KO=3
410 END
420 MOVE 15,80
430 PRINT 'The crisis descriptors will be listed. After each Please';
440 PRINT ' enter :'
450 MOVE 20,70
460 PRINT 'o The numerical value of descriptor level, or'
470 MOVE 20,62
480 PRINT 'o N -> NO, Ignore this descriptor in selecting'
490 MOVE 20,58
500 PRINT '          cases, or'
510 MOVE 20,50
520 PRINT 'o P -> PROCEED, Stop listing descriptors;'
530 MOVE 20,46
540 PRINT '              go directly to the file search.'
550 K$=V$
570 FOR I=1 TO 6
580 K$=K$&V$
590 NEXT I
600 L$=SEG(V$,1,37)
610 K$=K$&L$
620 MOVE 20,10
630 PRINT Z$
640 KO=1
650 END
660 IF K9=1 THEN 700
670 FIND 13
680 READ @33:X$
690 K9=1
700 L=0
710 L9=0
720 LO=15
730 PAGE
740 PRINT 'Selection of Descriptor Variables'
750 MOVE 0,97
760 PRINT @32,20:60,97
770 MOVE 0,90
790 LO=0
820 PRINT '1. CRISIS LOCATION'
830 PRINT '   1 = North America'
840 PRINT '   2 = Central and South America'
850 PRINT '   3 = Western Europe, Mediterranean, Atlantic'
860 PRINT '   4 = Eastern Europe and Soviet Union'
870 PRINT '   5 = Middle East and North Africa'
880 PRINT '   6 = South Asia, Indian Ocean, and Sub-Saharan Africa'
890 PRINT '   7 = Pacific and East Asia'
900 PRINT '   8 = Polar Regions (Arctic and Antarctica)'
910 PRINT '   9 = Space'
920 PRINT '   0 = Multiple, the World'
930 GOSUB 2260
940 PRINT '4. CRISIS CHARACTER'
950 PRINT '   1 = Potential, threat of'
960 PRI '   2 = Attempted/unsuccessful (often used with coup attempts)'
970 PRINT '   3 = Actual/ successful'
980 GOSUB 2260
990 PRINT '5. TYPE OF CRISIS'
1000 PRINT '   1= Dangerous domestic trend, domestic events'
1010 PRINT '   2 = Riot, other civil disorder'            -
1020 PRINT '   3 = Uprising, revolt, insurgency'
1030 PRINT '   4 = War of national liberation'
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231

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1040 PRINT '    5 = Coups'
1050 PRINT '    6 = Structural change (shift in political alignment; 12-3
1060 PRINT '        dangerous international trends/events)'
1070 PRINT '    7 = Border incidents/disputes'
1080 PRINT '    8 = Foreign interventions, conflicts short of war'
1090 PRINT '    9 = War'
1100 GOSUB 2260
1110 PRINT '6. SCOPE'
1120 PRINT '    1 = Domestic'
1130 PRINT '    2 = International'
1140 GOSUB 2260
1150 PRINT '7. THREATS TO COMMUNIST PARTY, MOVEMENTS, REGIMES'
1160 PRINT '    1 = Neither survival nor well-being threatened'
1170 PRINT '    2 = Well-being threatened'
1180 PRINT '    3 = Survival threatened (or perceived as threatened)'
1190 GOSUB 2260
1200 PRINT '8. LEVEL OF VIOLENCE'
1210 PRINT '    1 = Nonviolent'
1220 PRINT '    2 = Violent events (People injured, property destroyed)'
1230 GOSUB 2260
1240 PRINT '9. GEO-POLITICAL LOCATION (WITH RESPECT TO THE USSR)'
1250 PRINT '    1 = Not geographical'
1260 PRINT '    2 = Homeland (USSR)'
1270 PRINT '    3 = Germanies/Berlin'
1280 PRINT '    4 = Primary buffer zone (Warsaw Pact states)'
1290 PRINT '    5 = Peoples' Republic of China (PRC)'
1300 PRINT '    6 = Key border states (Norway, Finland, Turkey, Iran,'
1310 PRINT '        Afghanistan, Mongolia, North Korea, Japan, Alaska)'
1320 PRINT '    7 = Middle East'
1330 PRINT '    8 = Other (Non-key regions)'
1340 GOSUB 2260
1350 PRINT '10. SOVIET INVOLVEMENT'
1360 PRINT '    1 = Soviets not directly involved'
1370 PRINT '    2 = Soviets directly involved'
1380 GOSUB 2260
1390 PRINT '11. NATURE OF CONFRONTATION'
1400 PRINT '    1 = Internal'
1410 PRINT '    2 = Two or more large powers involved'
1420 PRINT '    3 = Large/small power mix'
1430 PRINT '    4 = Small powers only'
1440 GOSUB 2260
1450 PRINT '12. STRATEGIC CONFRONTATION'
1460 PRINT '    1 = No'
1470 PRINT '    2 = Potential'
1480 PRINT '    3 = Actual'
1490 GOSUB 2260
1500 PRINT '13. DURATION'
1510 PRINT '    1 = Short (One week or less)'
1520 PRINT '    2 = Medium (One week to one month)'
1530 PRINT '    3 = Long (One week to one month)'
1540 PRINT '    4 = Very long (More than one year)'
1550 GOSUB 2260
1560 PRINT '14. SOVIET OBJECTIVES FOR IN-THEATER SUPPORTED ACTORS'
1570 PRI '    1 = Preserve status quo ante (defined as the state exist-'
1580 PRINT '        ing on the day before start of crisis)'
1590 PRINT '    2 = Restore status quo ante'
1600 PRINT '    3 = Change status quo ante'
1610 PRINT '    4 = Other'
1620 PRINT '    5 = Indifference'
1630 GOSUB 2260
1640 PRINT '15. SOVIET OBJECTIVES FOR THE IN-THEATER OPPOSED ACTORS'
1650 PRINT '    1 = Oppose efforts to preserve status quo ante'
1660 PRINT '    2 = Oppose efforts to restore status quo ante'
1670 PRINT '    3 = Oppose efforts to change status quo ante'
1680 PRINT '    4 = Other'
1690 PRINT '    5 = Indifference (Both sides considered anti-Soviet)'
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1700 GOSUB 2260
1710 PRINT '16. SOVIET IN-THEATER MANAGEMENT CAPABILITY'          12 - 4.
1720 PRINT '   1 = Substantial (e.g. Eastern Europe)'
1730 PRINT '   2 = Moderate (e.g.Eastern Med since 1967)'
1740 PRINT '   3 = Minor/neglisible'
1750 GOSUB 2260
1760 PRINT '17. SOVIET VERBAL BEHAVIOR'
1770 PRINT '   1 = Existence of events/situation noted'
1780 PRINT '   2 = Verbal activities focused on crisis short of threats'
1790 GOSUB 2260
1800 PRINT '18. SOVIET PHYSICAL ACTIONS'
1810 PRINT '   1 = No data available indicating action(s) taken'
1820 PRINT '   2 = Action short of combat; few details available'
1830 PRINT '   3 = Action short of combat; no Soviet military personnel'
1840 PRINT '       in crisis area'
1850 PRINT '   4 = Action short of combat; Soviet military personnel in'
1860 PRINT '       crisis area'
1870 PRINT '   5 = Combat involving Soviet military personnel'
1880 PRINT '   9 = No data'
1890 GOSUB 2260
1900 PRINT '19. CRISIS OUTCOME FOR USSR'
1910 PRINT '   1 = Favorable'
1920 PRINT '   2 = Mixed'
1930 PRINT '   3 = Unfavorable'
1940 PRINT '   4 = USSR indicates indifference to outcome'
1950 GOSUB 2260
1960 PRINT '20. CRISIS OUTCOME FOR SOVIET ALLIES'
1970 PRINT '   1 = Favorable'
1980 PRINT '   2 = Mixed'
1990 PRINT '   3 = Unfavorable'
2000 PRINT '   4 = USSR indicates indifference to outcome'
2010 PRINT '   9 = N/A (No apparent Soviet allies among crisis actors)'
2020 GOSUB 2260
2030 PAGE
2040 MOVE 0,80
2050 PRINT 'Descriptor selection finished.'
2060 PRI 'The file will be searched for crises with these descriptors.'
2062 PRINT 'The search will take 60-90 seconds.'
2070 N1=0
2080 FOR I=1 TO 386
2090 H=(I-1)*20
2100 FOR K=1 TO 20
2110 IF L(K)=0 THEN 2150
2120 T$=SEG(X$,H+K,1)
2130 T=VAL(T$)
2140 IF T<>L(K) THEN 2180
2150 NEXT K
2160 K$=REP('1',I,1)
2170 N1=N1+1
2180 NEXT I
2190 PRINT 'CASES FOUND= ',N1
2195 IF N1=0 THEN 2220
2200 FIND 18
2210 WRITE @33:K$
2220 MOVE 20,3
2230 PRINT Z$
2240 KO=2
2250 END
2260 REM **sub to handle user input**
2270 LO=LO+1
2280 INPUT Y$
2290 IF Y$='n' THEN 2410
2300 IF Y$='p' THEN 2030
2310 IF Y$='y' THEN 2390
2320 VO=VAL(Y$)
2330 IF VO<10 THEN 2370
```

```
2340 PRINT 'Error in input; please re-enter.'
2350 GO TO 2280
2360 INPUT VO
2370 L(LO)=VO
2380 GO TO 2410
2390 PRINT 'Please enter numerical value of the level.'
2400 GO TO 2280
2410 PAGE
2420 RETURN
2430 PAGE
2440 FIND 25
2450 FOR K=1 TO 386
2460 INPUT @33:Q$
2470 Y$=SEG(K$,K,1)
2480 IF Y$='0' THEN 2570
2490 X=POS(Q$,'>',20)
2500 S$=SEG(Q$,8,X-8)
2510 PRINT USING 2520:K,S$
2520 IMAGE 3d,1x,68a
2530 GIN X,Y
2540 IF Y>8 THEN 2570
2550 MOVE 20,0
2560 PRINT 'Press HOME/PAGE to clear screen'
2570 NEXT K
2580 MOVE 20,3
2590 PRINT Z$
2600 KO=2
```

```
1 GO TO 100
4 GO TO 180
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
28 GO TO 180
40 NO=10
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 14
81 SAVE
82 PRINT 'Saved on 14'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM K$(386),X$(7720),A$(1),Y$(18),U$(1),C$(1)
110 U$='>'
120 Y$='--------------------'
130 D=32
140 FIND 13
150 READ @33:X$
160 FIND 18
170 READ @33:K$
180 FIND 25
190 PAGE
200 FOR K=1 TO 386
210 L=(K-1)*20
220 INPUT @33:S$
230 G$=SEG(K$,K,1)
240 IF G$='0' THEN 2720
250 Z0=POS(S$,U$,20)
260 Q$=SEG(S$,9,Z0-9)
270 PRINT @D:Y$,Y$,Y$,Y$
280 PRINT @D: USING 290:K,Q$
290 IMAGE(3d,1x,60s)
300 PRINT @D:Y$,Y$,Y$,Y$
310 R$=SEG(X$,L+1,1)
320 MOVE 0,90
330 PRINT @D: USING 340:R$
340 IMAGE 'JCS Region',14x,': ',1A
350 J=13
360 GOSUB 2880
370 GO TO C OF 380,400,420,440
380 S$='LESS THAN A WEEK'
390 GO TO 450
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400 S$='LESS THAN A MONTH'
410 GO TO 450
420 S$='LESS THAN A YEAR'
430 GO TO 450
440 S$='LONGER THAN A YEAR'
450 MOVE 0,85
460 PRINT @D: USING 470:S$
470 IMAGE 'Duration',16x,': ',50a
480 S$='DOMESTIC'
490 J=6
500 GOSUB 2880
510 IF C=1 THEN 530
520 S$='INTERNATIONAL'
530 MOVE 0,80
540 PRINT @D: USING 550:S$
550 IMAGE 'Scope',19x,': ',50a
560 J=11
570 GOSUB 2880
580 GO TO C OF 590,610,630,650
590 S$='INTERNAL'
600 GO TO 660
610 S$='TWO OR MORE LARGE POWERS'
620 GO TO 660
630 S$='LARGE/SMALL POWER MIX'
640 GO TO 660
650 S$='SMALL POWERS ONLY'
660 MOVE 0,75
670 PRINT @D: USING 680:S$
680 IMAGE 'Actors',18x,': ',50a
690 IMAGE 'Character'15x,': ',50a
700 J=4
710 GOSUB 2880
720 IF C=3 THEN 770
730 P$='POTENTIAL '
740 IF C=1 THEN 780
750 P$='ATTEMPTED '
760 GO TO 780
770 P$=' '
780 J=5
790 GO TO C OF 800,820,840,870,890,910,930,950,970
800 S$='DANGEROUS DOMESTIC TREND'
810 GO TO 980
820 S$='RIOT, OTHER CIVIL DISORDER'
830 GO TO 980
840 S$='UPRISING, REVOLT, INSURGENCY'
850 GOSUB 2880
860 GO TO 980
870 S$='WAR OF NATIONAL LIBERATION'
880 GO TO 980
890 S$='COUP'
900 GO TO 980
910 S$='STRUCTURAL CHANGE'
920 GO TO 980
930 S$='BORDER INCIDENTS, DISPUTES'
940 GO TO 980
950 S$='FOREIGN INTERVENTION'
960 GO TO 980
970 S$='WAR'
980 MOVE 0,70
990 IF P$=' ' THEN 1010
1000 S$=P$&S$
1010 PRINT @D: USING 690:S$
1020 S$='NONVIOLENT'
1030 J=8
1040 GOSUB 2880
1050 IF C=1 THEN 1071
```

```
1060 S$='INJURIES;PROPERTY DESTROYED'
1070 MOVE 0,65
1080 PRINT @D: USING 1090:S$
1090 IMAGE 'Violence Level',10x,': ',50a
1100 J=9
1110 GOSUB 2880
1120 GO TO C+1 OF 1280,1130,1150,1170,1190,1210,1230,1250
1130 S$='HOMELAND (USSR)'
1140 GO TO 1260
1150 S$='GERMANIES/BERLIN'
1160 GO TO 1260
1170 S$='PRIMARY BUFFER (WARSAW PACT)'
1180 GO TO 1260
1190 S$='PEOPLES REPUBLIC OF CHINA'
1200 GO TO 1260
1210 S$='KEY BORDER STATE'
1220 GO TO 1260
1230 S$='MIDDLE EAST'
1240 GO TO 1260
1250 S$='NON-KEY REGION'
1260 PRINT @D: USING 1270:S$
1270 IMAGE 'Geopolitical Location  : ',50a
1280 S$='NO DIRECT SOVIET INVOLVEMENT'
1290 J=10
1300 GOSUB 2880
1310 IF C=1 THEN 1330
1320 S$='SOVIETS DIRECTLY INVOLVED'
1330 MOVE 0,55
1340 PRINT @D: USING 1350:S$
1350 IMAGE 'Soviet Involvement',6x,': ',50a
1360 J=12
1370 GOSUB 2880
1380 GO TO C OF 1390,1410,1430
1390 S$='NO'
1400 GO TO 1440
1410 S$='POTENTIAL'
1420 GO TO 1440
1430 S$='YES'
1440 MOVE 0,50
1450 PRINT @D: USING 1460:S$
1460 IMAGE 'Strategic Confrontation : ',40a
1470 J=7
1480 GOSUB 2880
1490 GO TO C OF 1500,1520,1540
1500 S$='NONE'
1510 GO TO 1550
1520 S$='WELL-BEING THREATENED'
1530 GO TO 1550
1540 S$='SURVIVAL THREATENED'
1550 MOVE 0,45
1560 PRINT @D: USING 1570:S$
1570 IMAGE 'Threat-Communist Pty,Res: ',40a
1580 MOVE 0,40
1590 PRINT @D:'Soviet Objectives for In-Theater Actors'
1600 J=14
1610 GOSUB 2880
1620 IF C>0 THEN 1650
1630 S$='UNKNOWN'
1640 GO TO 1750
1650 GO TO C OF 1660,1680,1700,1720,1740
1660 S$='PRESERVE STATUS QUO ANTE'
1670 GO TO 1750
1680 S$='RESTORE STATUS QUO ANTE'
1690 GO TO 1750
1700 S$='CHANGE STATUS QUO ANTE'
1710 GO TO 1750
```

```
1720 S$='N/A'
1730 GO TO 1750
1740 S$='INDIFFERENCE'
1750 MOVE 0,37
1760 PRINT @D: USING 1770:S$
1770 IMAGE '   Supported Actors',6x,': ',50a
1780 J=15
1790 GOSUB 2880
1800 IF C>O THEN 1840
1810 S$='UNKNOWN'
1820 GO TO 1930
1830 GO TO C+1 OF 1840,1860,340,1900,1920
1840 S$=' PRESERVATION OF STATUS QUO ANTE'
1850 GO TO 1930
1860 S$=' RESTORATION OF STATUS QUO ANTE'
1870 GO TO 1930
1880 S$=' CHANGING STATUS QUO ANTE'
1890 GO TO 1930
1900 S$='OTHER'
1910 GO TO 1930
1920 S$='SOVIETS INDIFFERENT'
1930 MOVE 0,33
1940 PRINT @D: USING 1950:S$
1950 IMAGE '   Opposed Actors',8x,': OPPOSE',45a
1960 MOVE 0,28
1970 PRINT @D:'Soviet In-Theater Crisis'
1980 MOVE 0,25
1990 J=16
2000 GOSUB 2880
2010 IF C>O THEN 2040
2020 S$='UNKNOWN'
2030 GO TO 2100
2040 GO TO C OF 2050,2070,2090
2050 S$='SUBSTANTIAL'
2060 GO TO 2100
2070 S$='MODERATE'
2080 GO TO 2100
2090 S$='MINOR/NEGLIGIBLE'
2100 PRINT @D: USING 2110:S$
2110 IMAGE'   Management Capability : ',30a
2120 J=17
2130 GOSUB 2880
2140 GO TO C OF 2150,2170,2190
2150 S$='EVENTS/SITUATION NOTED'
2160 GO TO 2200
2170 S$='COMMENTS SHORT OF THREATS'
2180 GO TO 2200
2190 S$='THREATS'
2200 MOVE 0,20
2210 PRINT @D: USING 2220:S$
2220 IMAGE 'Soviet Verbal Behavior  : ',40a
2230 J=18
2240 GOSUB 2880
2250 GO TO C OF 2260,2280,2300,2320,2340
2260 S$='NO DATA'
2270 GO TO 2350
2280 S$='NO COMBAT: FEW DETAILS'
2290 GO TO 2350
2300 S$='NO SOVIET MILITARY IN AREA'
2310 GO TO 2350
2320 S$='NO COMBAT:SOVIET MILITARY IN AREA'
2330 GO TO 2350
2340 S$='COMBAT INVOLVING SOVIET MILITARY'
2350 MOVE 0,15
2360 PRINT @D: USING 2370:S$
2370 IMAGE 'Soviet Actions',10x,': ',40a
```

238

```
2380 MOVE 0,10
2390 J=19
2400 GOSUB 2880
2410 GO TO C+1 OF 2420,2440,2460,2480,2500
2420 S$='UNKNOWN'
2430 GO TO 2510
2440 S$='FAVORABLE'
2450 GO TO 2510
2460 S$='MIXED'
2470 GO TO 2510
2480 S$='UNFAVORABLE'
2490 GO TO 2510
2500 S$='INDIFFERENT TO OUTCOME'
2510 PRINT @D: USING 2520:S$
2520 IMAGE 'Crisis Outcome-Soviets  : ',40a
2530 J=20
2540 GOSUB 2880
2550 IF C<9 THEN 2570
2560 GO TO C+1 OF 2570,2590,2610,2630,2650
2570 S$='UNKNOWN'
2580 GO TO 2660
2590 S$='FAVORABLE'
2600 GO TO 2660
2610 S$='MIXED'
2620 GO TO 2660
2630 S$='UNFAVORABLE'
2640 GO TO 2660
2650 S$='INDIFFERENT TO OUTCOME'
2660 MOVE 0,5
2670 PRINT @D: USING 2680:S$
2680 IMAGE 'Crisis Outcome-Allies   : ',40a
2690 IF D=51 THEN 2720
2700 MOVE 20,0
2710 PRINT 'Press HOME/PAGE to clear the screen.'
2720 NEXT K
2730 MOVE 20,80
2740 PRINT 'All Soviet crises selected have been printed.'
2750 MOVE 20,70
2760 PRINT 'Press Program Key :'
2770 MOVE 28,64
2780 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
2790 MOVE 28,59
2800 PRINT 'o No. 2 - SOVIET ACTIONS'
2810 MOVE 28,54
2820 PRINT 'o No. 3 - SOVIET OBJECTIVES'
2830 MOVE 28,49
2840 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
2850 MOVE 28,44
2860 PRINT 'o No. 5 - CRISIS OUTCOMES'
2862 MOVE 28,39
2864 PRINT 'o No.10 - HELP (For general information)'
2970 END
2880 C$=SEG(X$,L+J,1)
2890 C=VAL(C$)
2900 RETURN
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 260
25 IF KO=4 THEN 2360
28 GO TO 260
40 NO=10
41 GO TO 90
44 NO=4
45 GO TO 90
48 NO=12
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 15
81 SAVE
82 PRINT 'Saved on 15'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(3424),D$(408),Z$(26),K$(386),E$(303),H$(386),Y(64)
105 Z$='Press CONTINUE (Key No. 6)'
110 D=32
120 K9=0
130 PAGE
140 MOVE 30,95
150 PRINT 'Crisis Selection by Soviet Actions'
152 MOVE 15,87
154 PRINT 'o The Actions will be listed one by one.'
160 MOVE 15,79
170 PRINT 'o After each action, please type Y or N or P :'
180 MOVE 25,69
190 PRINT 'Y -> YES, Select cases with this action.'
200 MOVE 25,64
210 PRINT 'N -> NO,  Ignore this action in the crisis'
220 MOVE 25,61
230 PRINT '                selection.'
232 MOVE 25,56
234 PRINT 'P -> PROCEED, Stop listing actions; go'
236 MOVE 48,53
238 PRINT ' directly to the file search.'
240 MOVE 15,40
242 PRINT 'o Your selections will be acknowledged by '*'.'
244 KO=1
252 MOVE 20,10
254 PRINT Z$
256 END
```

```
260 PAGE
270 L0=0
280 MOVE 20,100
290 PRINT 'Soviet Actions'
300 MOVE 0,90
310 J0=0
320 Y=0
330 PRINT @D:'   Land Forces Committed to Combat ';
340 GOSUB 1420
350 PRINT @D:'   Air Forces Committed to Combat ';
360 GOSUB 1590
370 PRINT @D:'   Land Support Services Committed ';
380 GOSUB 1590
390 PRINT @D:'   Naval Support Services Committed ';
400 GOSUB 1590
410 PRINT @D:'   Air Support Services Committed ';
420 GOSUB 1590
430 PRINT @D:'   Land Forces Repositioned ';
440 GOSUB 1590
450 PRINT @D:'   Naval Forces Repositioned ';
460 GOSUB 1590
470 PRINT @D:'   Air Forces Repositioned ';
480 GOSUB 1590
490 PRINT @D:'   Use of Nuclear Forces Threatened ';
500 GOSUB 1590
510 PRINT @D:'   Nuclear Forces Redeployed ';
520 GOSUB 1590
530 PRINT @D:'   Nonnuclear Forces Redeployed ';
540 GOSUB 1590
550 PRINT @D:'   Alert Status of Nuclear Forces Changed ';
560 GOSUB 1590
570 PRINT @D:'   Show of Military Force ';
580 GOSUB 1590
590 PRINT @D:'   Military Blockade or Quarantine ';
600 GOSUB 1590
610 PRINT @D:'   Isolated Military Contact ';
620 GOSUB 1590
630 PRINT @D:'   Military Search and Rescue Operation ';
640 GOSUB 1590
650 PRINT @D:'   Military Maneuvers or Training Exercises ';
660 GOSUB 1590
670 PRINT @D:'   Force Readiness Improved or Maintained ';
680 GOSUB 1590
690 PRINT @D:'   Covert Military Operations ';
700 GOSUB 1590
710 PRINT @D:'   Military Intervention between Combatants ';
720 GOSUB 1590
730 PRINT @D:'   Airlift: Personnel, Supplies, Equipment ';
740 GOSUB 1590
750 PRINT @D:'   Military Advisory Assistance Provided ';
760 GOSUB 1590
770 PRINT @D:'   Combat Training Provided ';
780 GOSUB 1590
790 PRINT @D:'   Non-Combat Military Training Provided ';
800 GOSUB 1590
810 PRINT @D:'   Military Equipment Drawdown from Soviet Units ';
820 GOSUB 1590
830 PRINT @D:'   Supplies Provided from Soviet Depots ';
840 GOSUB 1590
850 PRINT @D:'   Supplies Provided from Non-Military Sources ';
860 GOSUB 1590
870 PRINT @D:'   Military Maintenance Assistance Provided ';
880 GOSUB 1590
890 PRINT @D:'   Military Logistics Assistance Provided ';
900 GOSUB 1590
910 PRINT @D:'   Non-Specified Military Assistance Provided ';
```

```
1580 GOSUB 1590
1582 GO TO 1740
1590 REM to handle user input
1600 LO=LO+1
1610 GIN X,YO
1620 INPUT A$
1630 MOVE X+3,YO
1640 IF A$='n' THEN 1710
1650 IF A$='?' THEN 1740
1660 IF A$<>'y' THEN 1610
1670 JO=JO+1
1680 Y(JO)=LO
1690 PRINT @D:'*'
1700 GO TO 1720
1710 PRINT @D:' '
1720 RETURN
1730 END
1740 PAGE
1750 MOVE 20,100
1760 PRINT 'Actions selected. The file will be searched for crises with'
1770 MOVE 20,95
1780 PRINT 'these actions.'
1790 MOVE 20,87
1800 PRINT 'The search will take 60-90 seconds.'
1810 IF K9=1 THEN 1870
1820 FIND 16
1830 K9=1
1840 READ @33:X$,D$,E$,H$
1850 REM x$=Data / d$=pos in x$ for ith case data /e$=case index in
1860 REM 386-file of ith case / z$=1,ith case has action data; 0, not
1870 MOVE 15,95
1880 K$=H$
1890 TO=101
1900 FOR J1=1 TO 101
1910 L=(J1-1)*4+1
1920 A$=SEG(D$,L,4)
1930 L1=VAL(A$)
1940 B$=SEG(D$,L+4,4)
1950 L2=VAL(B$)-1
1960 FOR K=1 TO JO
1970 W=Y(K)
1980 FOR J=L1 TO L2
1990 P$=SEG(X$,(J-1)*2+1,2)
2000 P=VAL(P$)
2010 IF P=W THEN 2060
2020 NEXT J
2030 TO=TO-1
2032 B$=SEG(E$,(J1-1)*3+1,3)
2034 CO=VAL(B$)
2040 K$=REP('0',CO,1)
2050 GO TO 2070
2060 NEXT K
2070 NEXT J1
2080 MOVE 20,79
2090 IF TO>1 THEN 2120
2100 PRINT 'Crisis selection finished : One crisis was found.'
2110 GO TO 2140
2120 PRINT USING 2130:TO
2130 IMAGE 'Crisis selection finished. ',3d,' crises were found.'
2140 FIND 18
2150 WRITE @33:K$
2160 MOVE 20,71
2210 PRINT 'Summary of Program.Keys :'
2220 MOVE 25,60
2230 PRINT 'b No. 1 - CRISIS DESCRIPTORS'
2240 MOVE 32,55
```

```
2250 PRINT 'o No. 2 - SOVIET ACTIONS'
2260 MOVE 28,50
2270 PRINT 'o No. 3 - SOVIET OBJECTIVES'
2280 MOVE 28,45
2290 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
2300 MOVE 28,40
2310 PRINT 'o No. 5 - CRISIS OUTCOMES'
2320 MOVE 28,35
2322 PRINT 'o No. 6 - CONTINUE (To print titles)'
2324 MOVE 40,10
2330 PRINT 'Press Program Key'
2340 KO=4
2350 END
2360 PAGE
2370 MOVE 20,100
2380 PRINT 'Crises in which the USSR took the selected actions.';
2390 PRINT @32,20:20,100
2400 MOVE 0,95
2410 FIND 25
2450 FOR K=1 TO 386
2460 INPUT @33:Q$
2470 C$=SEG(K$,K,1)
2480 IF C$='O' THEN 2560
2490 X=POS(Q$,'>',20)
2500 M$=SEG(Q$,9,X-9)
2510 PRINT M$
2520 GIN XO,YO
2530 IF YO>5 THEN 2560
2540 MOVE 10,0
2550 PRINT 'Press HOME/PAGE to clear the screen.'
2560 NEXT K
2570 MOVE 10,5
2580 PRINT Z$
2590 KO=5
2600 END
2610 PAGE
2620 GO TO 2160
2630 REM ******U T I L I T Y   R O U T I N E S*******
2640 FOR LO=1 TO 101
2650 B$=SEG(E$,(LO-1)*3+1,3)
2660 CO(LO)=VAL(B$)
2670 NEXT LO
2680 RETURN
2690 H$='O'
2700 FOR LO=2 TO 386
2710 H$=H$&'O'
2720 NEXT LO
2730 END
2740 FOR LO=1 TO 101
2750 H$=REP('1',CO(LO),1)
2760 NEXT LO
2770 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 GO TO 100
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 GO TO 2545
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 17
81 SAVE
82 PRINT 'Saved on 17'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM A$(3424),D$(408),Y$(18),K$(386),E$(303),U$(1),Z$(386)
105 D=32
107 K9=0
110 PAGE
120 MOVE 20,60
122 IF K9=1 THEN 180
130 PRINT 'Data on Soviet actions are being read from tape.'
140 FIND 16
145 K9=1
150 READ @33:A$,D$,E$,Z$
160 Y$='--------------------'
170 U$='>'
180 FIND 18
190 READ @33:K$
200 FIND 25
210 PAGE
220 FOR I0=1 TO 386
230 INPUT @33:G$
240 G$=SEG(K$,I0,1)
250 IF G$='0' THEN 2540
260 X=POS(Q$,U$,20)
262 MOVE 0,100
270 PRINT @D:Y$,Y$,Y$,Y$
280 C$=SEG(Q$,9,X-9)
282 MOVE 0,98
290 PRINT @D: USING 300:I0,C$
300 IMAGE 3d,1x,65a
302 MOVE 0,96
310 PRINT @D:Y$,Y$,Y$,Y$
320 MOVE 0,94
```

244

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330 PRINT @D:'Soviet Actions'
331 H$=SEG(Z$,I0,1)
332 IF H$='0' THEN 390
340 FOR J0=1 TO 101
350 H$=SEG(E$,(J0-1)*3+1,3)
360 H=VAL(H$)
370 IF H=I0 THEN 470
380 NEXT J0
390 MOVE 20,60
400 PRINT @D:'No data for this case.'
410 IF D=51 THEN 2530
420 FOR H=1 TO 50
430 G=SQR(99999)
440 NEXT H
450 GO TO 2530
470 T0=93
480 D0=4
490 L$=SEG(D$,(J0-1)*4+1,4)
500 L1=VAL(L$)
510 L$=SEG(D$,J0*4+1,4)
520 L2=VAL(L$)-1
530 IF L2-L1<20 THEN 550
540 D0=2.7
550 FOR J=L1 TO L2
560 T0=T0-D0
570 MOVE 0,T0
580 I$=SEG(A$,(J-1)*2+1,2)
590 F=VAL(I$)
600 IF P>48 THEN 2020
610 IF P>1 THEN 640
620 PRINT @D:'   Land Forces Committed to Combat'
630 GO TO 2480
640 IF P>2 THEN 670
650 PRINT @D:'   Air Forces Committed to Combat'
660 GO TO 2480
670 IF P>3 THEN 700
680 PRINT @D:'   Land Support Services Committed'
690 GO TO 2480
700 IF P>4 THEN 730
710 PRINT @D:'   Naval Support Services Committed'
720 GO TO 2480
730 IF P>5 THEN 760
740 PRINT @D:'   Air Support Services Committed'
750 GO TO 2480
760 IF P>6 THEN 790
770 PRINT @D:'   Land Forces Repositioned'
780 GO TO 2480
790 IF P>7 THEN 820
800 PRINT @D:'   Naval Forces Repositioned'
810 GO TO 2480
820 IF P>8 THEN 850
830 PRINT @D:'   Air Forces Repositioned'
840 GO TO 2480
850 IF P>9 THEN 880
860 PRINT @D:'   Nuclear Forces Redeployed'
870 GO TO 2480
880 IF P>10 THEN 910
890 PRINT @D:'   Use of Nonnuclear Forces Threatened'
900 GO TO 2480
910 IF P>11 THEN 940
920 PRINT @D:'   Nonnuclear Forces Redeployed'
930 GO TO 2480
940 IF P>12 THEN 970
950 PRINT @D:'   Alert Status of Nonnuclear Forces Changed'
960 GO TO 2480
970 IF P>13 THEN 1000
```

```
980 PRINT @D:'    Show of Military Force'
990 GO TO 2480                                          17 - 3
1000 IF P>14 THEN 1030
1010 PRINT @D:'    Military Blockade or Quarantine'
1020 GO TO 2480
1030 IF P>15 THEN 1060
1040 PRINT @D:'    Isolated Military Contact'
1050 GO TO 2480
1060 IF P>16 THEN 1090
1070 PRINT @D:'    Military Search and Rescue Operation'
1080 GO TO 2480
1090 IF P>17 THEN 1120
1100 PRINT @D:'    Military Maneuvers or Training Exercises'
1110 GO TO 2480
1120 IF P>18 THEN 1150
1130 PRINT @D:'    Force Readiness Improved or Maintained'
1140 GO TO 2480
1150 IF P>19 THEN 1180
1160 PRINT @D:'    Covert Military Operations'
1170 GO TO 2480
1180 IF P>20 THEN 1210
1190 PRINT @D:'    Military Intervention between Combatants'
1200 GO TO 2480
1210 IF P>21 THEN 1240
1220 PRINT @D:'    Airlift: Personnel, Supplies, Equipment'
1230 GO TO 2480
1240 IF P>22 THEN 1270
1250 PRINT @D:'    Military Advisory Assistance Provided'
1260 GO TO 2480
1270 IF P>23 THEN 1300
1280 PRINT @D:'    Combat Training Provided'
1290 GO TO 2480
1300 IF P>24 THEN 1330
1310 PRINT @D:'    Non-Combat Military Training Provided'
1320 GO TO 2480
1330 IF P>25 THEN 1360
1340 PRINT @D:'    Military Equipment Drawndown from Soviet Units'
1350 GO TO 2480
1360 IF P>26 THEN 1390
1370 PRINT @D:'    Supplies Provided from Soviet Depots'
1380 GO TO 2480
1390 IF P>27 THEN 1420
1400 PRINT @D:'    Supplies Provided from Non-Military Sources'
1410 GO TO 2480
1420 IF P>28 THEN 1450
1430 PRINT @D:'    Military Maintenance Assistance Provided'
1440 GO TO 2480
1450 IF P>29 THEN 1480
1460 PRINT @D:'    Military Logistics Assistance Provided'
1470 GO TO 2480
1480 IF P>30 THEN 1510
1490 PRINT @D:'    Non-Specified Military Assistance Provided'
1500 GO TO 2480
1510 IF P>31 THEN 1540
1520 PRINT @D:'    Commitment Made to New Military Mission'
1530 GO TO 2480
1540 IF P>32 THEN 1570
1550 PRINT @D:'    New Military Mission Undertaken'
1560 GO TO 2480
1570 IF P>33 THEN 1600
1580 PRINT @D:'    New Military Cost Accepted'
1590 GO TO 2480
1600 IF P>34 THEN 1630
1610 PRINT @D:'    Existing Defense Treaty Modified'
1620 GO TO 2480
1630 IF P>35 THEN 1660
```

```
1640 PRINT @D:'   Existins Base Rishts Treaty Modified'
1650 GO TO 2480
1660 IF P>36 THEN 1690
1670 PRINT @D:'   Existins Status of Forces Treaty Modified'
1680 GO TO 2480
1690 IF P>37 THEN 1720
1700 PRINT @D:'   Assistance in Decision-Makins Sousht'
1710 GO TO 2480
1720 IF P>38 THEN 1750
1730 PRINT @D:'   No Military Action'
1740 GO TO 2480
1750 IF P>39 THEN 1780
1760 PRINT @D:'   Diplomatic Channels Employed'
1770 GO TO 2480
1780 IF P>40 THEN 1810
1790 PRINT @D:'   Mediation Attempted'
1800 GO TO 2480
1810 IF P>41 THEN 1840
1820 PRINT @D:'   Support Withdrawn or Withdrawal Threatened'
1830 GO TO 2480
1840 IF P>42 THEN 1870
1850 PRINT @D:'   Peacekeepins Efforts Advocated/Supported'
1860 GO TO 2480
1870 IF P>43 THEN 1900
1880 PRINT @D:'   Efforts to Improve Scientific, Technical Capabilities'
1890 GO TO 2480
1900 IF P>44 THEN 1930
1910 PRINT @D:'   Existins Political, Military Commitments Reaffirmed'
1920 GO TO 2480
1930 IF P>45 THEN 1960
1940 PRINT @D:'   Protests Lodsed'
1950 GO TO 2480
1960 IF P>47 THEN 1990
1970 PRINT @D:'   Action by USSR Alone'
1980 GO TO 2480
1990 IF P>48 THEN 2020
2000 PRINT '   Action with One Other Nation'
2010 GO TO 2480
2020 IF P>49 THEN 2050
2030 PRINT @D:'   Action with Two or More Allies'
2040 GO TO 2480
2050 IF P>50 THEN 2080
2060 PRINT @D:'   United Nations Involvment'
2070 GO TO 2480
2080 IF P>51 THEN 2110
2090 PRINT @D:'   Military Intervention in a Marxist-Leninist State'
2100 GO TO 2480
2110 IF P>52 THEN 2140
2120 PRINT @D:'   Cooperative Intervention in a Third World State'
2130 GO TO 2480
2140 IF P>53 THEN 2170
2150 PRINT @D:'   Veto on a United Nations Vote'
2160 GO TO 2480
2170 IF P>54 THEN 2200
2180 PRINT @D:'   Resolutions and/or Amendments in the United Nations'
2190 GO TO 2480
2200 IF P>55 THEN 2230
2210 PRINT @D:'   Speeches and/or Letters to the United Nations'
2220 GO TO 2480
2230 IF P>56 THEN 2260
2240 PRINT @D:'   Support for an Existins Resime'
2250 GO TO 2480
2260 IF P>57 THEN 2290
2270 PRINT @D:'   Support for Anti-Resime Insursency Movement'
2280 GO TO 2480
2290 IF P>58 THEN 2320
```

```
2300 PRINT @D:'   Support for Anti-Regime Communist Party or Movement'
2310 GO TO 2480
2320 IF P>59 THEN 2350                                    17 - 5
2330 PRINT @D:'   Political/Propaganda Support Provided'
2340 GO TO 2480
2350 IF P>60 THEN 2380
2360 PRINT @D:'   Economic Assistance Provided'
2370 GO TO 2480
2380 IF P>61 THEN 2410
2390 PRINT @D:'   Crisis-Related Military Aid Provided'
2400 GO TO 2480
2410 IF P>62 THEN 2440
2420 PRINT @D:'   Direct Use of Military Force for Political Goals'
2430 GO TO 2480
2440 IF P>63 THEN 2470
2450 PRINT @D:'   Warsaw Pact, CMEA Used for Political Goals'
2460 GO TO 2480
2470 PRINT @D:'   Internat'al Organizations (Outside UN,WP,CMEA) Used'
2480 NEXT J
2490 IF D=51 THEN 2540
2500 MOVE 10,0
2510 PRINT 'Press HOME/PAGE to clear the screen.'
2520 GO TO 2540
2530 PAGE
2540 NEXT IO
2545 PAGE
2550 MOVE 20,90
2570 PRINT 'Summary of Program Keys :'
2580 MOVE 28,70
2590 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
2600 MOVE 28,65
2610 PRINT 'o No. 2 - SOVIET ACTIONS'
2620 MOVE 28,60
2630 PRINT 'o No. 3 - SOVIET OBJECTIVES'
2640 MOVE 28,55
2650 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
2660 MOVE 28,50
2670 PRINT 'o No. 5 - CRISIS OUTCOMES'
2680 MOVE 30,20
2690 PRINT 'Press Program Key.'
2700 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 420
25 IF KO=2 THEN 1970
26 IF KO=3 THEN 1970
27 IF KO>3 THEN 70
28 GO TO 150
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 2610
71 IF KO=5 THEN 2930
80 FIND 19
81 SAVE
82 PRINT 'Saved on 19'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Y(59),Z$(27),X$(3424),K$(387),H$(387),E$(303),D$(408)
110 Z$='Press CONTINUE (Key No. 6)'
120 SET KEY
130 K9=0
140 D=32
150 PAGE
160 JO=0
170 LO=0
180 Y=0
190 PO=0
200 MOVE 30,100
210 PRINT 'Crisis Selection by Soviet Objectives'
220 MOVE 15,90
230 PRINT 'o The objectives will be listed one by one.'
240 MOVE 15,82
250 PRINT 'o After each objective, please type Y or N or P :'
260 MOVE 28,73
270 PRINT 'Y -> YES, Select cases with this objective.'
280 MOVE 29,68
290 PRINT 'N -> NO. Ignore this objective in the crisis'
```

```
300 MOVE 28,65
310 PRINT '          selection.'
320 MOVE 28,58
330 PRINT 'P -> PROCEED, Stop listing objectives; go'
340 MOVE 28,55
350 PRINT '               directly to the file search.'
360 MOVE 15,47
370 PRINT 'o Your selections will be acknowledged by 'X''
380 MOVE 30,10
390 PRINT Z$
400 KO=1
410 END
420 PAGE
430 MOVE 20,100
440 PRINT 'Soviet Objectives'
450 MOVE 0,90
460 LO=0
470 PRINT @D:'    To Deter Imminent Attack ';
480 GOSUB 1780
490 IF A$='n' THEN 500
500 PRINT @D:'    To Improve or Rectify Deterrence Posture ';
510 GOSUB 1780
520 PRINT @D:'    To Put Down a Rebellion ';
530 GOSUB 1780
540 PRINT @D:'    To Restore a Regime ';
550 GOSUB 1780
560 PRINT @D:'    To Regain Access to Economic Resources ';
570 GOSUB 1780
580 PRINT @D:'    To Restore Peace ';
590 GOSUB 1780
600 PRINT @D:'    To Restore Territorial Integrity ';
610 GOSUB 1780
620 PRINT @D:'    To Restore Military Balance of Power ';
630 GOSUB 1780
640 PRINT @D:'    To Restore Readiness ';
650 GOSUB 1780
660 PRINT @D:'    To Preserve Readiness ';
670 GOSUB 1780
680 PRINT @D:'    To Preserve Peace ';
690 GOSUB 1780
700 PRINT @D:'    To Confirm or Re-Establish Prestige ';
710 GOSUB 1780
720 PRINT @D:'    To Preserve Territory and/or Facilities ';
730 GOSUB 1780
740 PRINT @D:'    To Preserve Regime from External Threat ';
750 GOSUB 1780
760 PRINT @D:'    To Preserve Regime from Internal Threat ';
770 GOSUB 1780
780 PRINT @D:'    To Preserve, Restore, or Improve Alliance ';
790 GOSUB 1780
800 PRINT @D:'    To Protect Legal and Political Rights ';
810 GOSUB 1780
820 PRINT @D:'    To Induce Maintenance of Current Policy ';
830 GOSUB 1780
840 PRINT @D:'    To Dissuade from a New Policy ';
850 GOSUB 1780
860 PRINT @D:'    To Protect a Military Asset ';
870 GOSUB 1780
880 PRINT @D:'    To Support a New Government ';
890 GOSUB 1780
900 PRINT @D:'    To Induce National Reorientation ';
910 GOSUB 1780
920 PRINT @D:'    To Induce Adoption of a New Policy ';
930 GOSUB 1780
940 PRINT @D:'    To Bring about the Fall of a Regime ';
950 GOSUB 1780
```

```
1620 PRINT @D:'vs Capitalism ';
1630 GOSUB 1780                                                    19 - 4
1640 PRINT @D:'   To Eliminate Western Influence in the Third World ';
1650 GOSUB 1780
1660 PRINT @D:'   To Achieve Equal Status with U.S. as a Global ';
1670 PRINT @D:'Superpower ';
1680 GOSUB 1780
1690 PRINT @D:'   To Prevent Independent Action by UN Secretariat ';
1700 GOSUB 1780
1710 PRINT @D:'   To Alter Balance of Power Toward USSR, Allies; Clie';
1720 PRINT @D:'nts ';
1730 GOSUB 1780
1740 MOVE 20,10
1750 PRINT 'Objectives selected, press CONTINUE (Key No. 6)'
1760 K0=2
1770 END
1780 REM To handle user input
1790 L0=L0+1
1800 P0=P0+1
1810 GIN X,Y0
1820 INPUT A$
1830 IF A$='n' THEN 1900
1840 IF A$='p' THEN 1970
1850 IF A$<>'y' THEN 1830
1860 Q$='*'
1870 J0=J0+1
1880 Y(J0)=L0
1890 GO TO 1910
1900 Q$=' '
1910 MOVE X+2,Y0
1920 PRINT @D:Q$
1930 IF P0<31 THEN 1960
1940 PAGE
1950 P0=0
1960 RETURN
1970 PAGE
1980 MOVE 15,100
1990 IF K9=1 THEN 2040
2000 PRINT 'o Data on Soviet Objectives are being read from tape.'
2010 FIND 20
2020 K9=1
2030 READ @33:X$,D$,E$,H$
2040 K$=H$
2050 MOVE 15,90
2060 PRI 'o The crises are being searched for the selected objectives.'
2070 T0=101
2080 FOR J1=1 TO 101
2090 L=(J1-1)*4+1
2100 F$=SEG(D$,L,4)
2110 L1=VAL(F$)
2120 F$=SEG(D$,L+4,4)
2130 L2=VAL(F$)-1
2140 FOR K=1 TO J0
2150 W=Y(K)
2160 FOR J=L1 TO L2
2170 G$=SEG(X$,(J-1)*2+1,2)
2180 P=VAL(G$)
2190 IF W=P THEN 2270
2200 NEXT K
2210 B$=SEG(E$,(J1-1)*3+1,3)
2220 C0=VAL(B$)
2230 K$=REP('0',C0,1)
2240 T0=T0-1
2250 GO TO 2290
2260 NEXT J
2270 NEXT K
```

251

```
960 PRINT @D:"   To Support Insurgency ";
970 GOSUB 1780
980 PRINT @D:"   To Deny Political Access ";
990 GOSUB 1780
1000 PRINT @D:"   To Deny Military Access ";
1010 GOSUB 1780
1020 PRINT @D:"   To Assure Continued Economic Access ";
1030 GOSUB 1780
1040 PRINT @D:"   To Preserve, or Regain, Control of the Sea ";
1050 GOSUB 1780
1060 PRINT @D:"   To Preserve, or Regain, Control of the Air ";
1070 GOSUB 1780
1080 PRINT @D:"   To Deny Success to Terrorists or Hijackers ";
1090 GOSUB 1780
1100 PRINT @D:"   To Protect Human Life ";
1110 GOSUB 1780
1120 PRINT @D:"   To Provide Sanctuary or Asylum ";
1130 GOSUB 1780
1140 PRINT @D:"   To Support Critical Negotiations ";
1150 GOSUB 1780
1160 PRINT @D:"   To Discover Intentions or Actions ";
1170 GOSUB 1780
1180 PRINT @D:"   To Prepare for Alternative Missions ";
1190 GOSUB 1780
1200 PRINT @D:"   To Support Efforts by the United Nations ";
1210 GOSUB 1780
1220 PRINT @D:"   To Contain Opponents ";
1230 GOSUB 1780
1240 PRINT @D:"   To Prevent Spread of War ";
1250 GOSUB 1780
1260 PRINT @D:"   To Preserve Lines of Communication ";
1270 GOSUB 1780
1280 PRINT @D:"   To Regain Technical Advantage ";
1290 GOSUB 1780
1300 PRINT @D:"   To Restore Prestige ";
1310 GOSUB 1780
1320 PRINT @D:"   To Preserve Balance of Power ";
1330 GOSUB 1780
1340 PRINT @D:"   To Prevent Spread of Capitalist Influence ";
1350 GOSUB 1780
1360 PRINT @D:"   To Prevent Nuclear Proliferation ";
1370 GOSUB 1780
1380 PRINT @D:"   To Insure Self-Sufficiency ";
1390 GOSUB 1780
1400 PRINT @D:"   To Avoid Direct Involvement ";
1410 GOSUB 1780
1420 PRINT @D:"   To Preserve Secrecy ";
1430 GOSUB 1780
1440 PRINT @D:"   To Preserve Elite Power/Political System Within the";
1450 PRINT " USSR ";
1460 GOSUB 1780
1470 PRINT @D:"   To Preserve Buffer System (East Europe,Mongolia) ";
1480 GOSUB 1780
1490 PRINT @D:"   To Preserve Soviet Preminence in International ";
1500 PRINT @D:"Communism ";
1510 GOSUB 1780
1520 PRINT @D:"   To Prevent the Resmergence of Germany as a Major Pow";
1530 PRINT @D:"er ";
1540 GOSUB 1780
1550 PRINT @D:"   To Contain PRC Expansionism ";
1560 GOSUB 1780
1570 PRINT @D:"   To Avoid Isolation ";
1580 GOSUB 1780
1590 PRINT @D:"   To Maximize Soviet and Soviet Leadership-Prestige ";
1600 GOSUB 1780
1610 PRINT @D:"   To Support Shift in Correlation of Global Forces ";
```

```
2280 NEXT J1
2290 REM **write selection code**                          19 - 5
2300 IF TO=0 THEN 2370
2310 FIND 18
2320 WRITE @33:K$
2330 MOVE 15,82
2340 IF TO>1 THEN 2390
2342 MOVE 15,80
2350 PRINT 'o Crisis selection finished; one crisis was found.'
2360 GO TO 2410
2370 PRINT 'o Crisis selection finished; no crises were found.'
2380 MOVE 15,50
2382 PRINT 'Press REPEAT (Key No. 7) to  repeat crisis selection.'
2383 END
2390 PRINT USING 2400:TO
2400 IMAGE 'o Crisis selection finished; ',3d,' crises were found.'
2410 MOVE 15,75
2420 PRINT 'o To print titles of the selected crises :'
2430 MOVE 28,68
2440 PRINT 'Key No. 6 - CONTINUE'
2450 MOVE 15,58
2460 PRINT 'o To print information for the selected crises :'
2470 MOVE 28,50
2480 PRINT 'Key No. 1 - CRISIS DESCRIPTORS'
2490 MOVE 28,45
2500 PRINT 'Key No. 2 - SOVIET ACTIONS'
2510 MOVE 28,40
2520 PRINT 'Key No. 3 - SOVIET OBJECTIVES'
2530 MOVE 28,35
2540 PRINT 'Key No. 4 - MANAGEMENT PROBLEMS'
2550 MOVE 28,30
2560 PRINT 'Key No. 5 - CRISIS OUTCOMES'
2570 MOVE 30,10
2580 PRINT 'Press Program Key'
2590 KO=4
2600 END
2610 REM **print titles**
2620 FIND 25
2660 PAGE
2670 FOR K=1 TO 386
2680 INPUT @33:Q$
2690 C$=SEG(K$,K,1)
2700 IF C$='0' THEN 2780
2710 X=POS(Q$,'>',20)
2720 M$=SEG(Q$,9,X-9)
2730 PRINT @D:M$
2740 GIN X0,Y0
2750 IF YO>5 THEN 2780
2760 MOVE 10,0
2770 PRINT 'Press HOME/PAGE to clear screen'
2780 NEXT K
2790 MOVE 10,3
2800 PRINT Z$
2810 KO=5
2820 END
2830 PAGE
2840 GO TO 2330
```

253

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 GO TO 100
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 GO TO 604
28 GO TO 132
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 21
81 SAVE
82 PRINT 'Saved on 21'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM A$(3425),D$(409),Y$(19),K$(387),E$(304),U$(2),G$(2),Z$(387)
102 SET KEY
104 D=32
106 PAGE
108 K9=0
110 MOVE 20,60
112 IF K9=1 THEN 132
114 PRINT 'Data on Soviet objectives are being read from tape.'
116 FIND 20
118 K9=1
120 READ @33:A$,D$,E$,Z$
122 REM A$=02J DATA;E$=ID OF CASE IN 386-FILE;D$=START POS IN A$
124 Y$='--------------------'
126 U$='>'
128 FIND 18
130 READ @33:K$
132 FIND 25
134 PAGE
136 FOR IO=1 TO 386
138 INPUT @33:Q$
140 G$=SEG(K$,IO,1)
142 IF G$='0' THEN 596
144 X=POS(Q$,U$,20)
146 PRINT @D:Y$,Y$,Y$,Y$
148 C$=SEG(Q$,9,X-9)
150 PRINT @D: USING 152:IO,C$
152 IMAGE (3d,1x,65a)
154 PRINT @D:Y$,Y$,Y$,Y$
156 MOVE 0,80
158 PRINT @D:'Soviet Objectives'
160 G$=SEG(Z$,IO,1)
```

254

```
162 IF G$="0" THEN 174
164 FOR JO=1 TO 101
166 C$=SEG(E$,(JO-1)*3+1,3)
168 C=VAL(C$)
170 IF C=IO THEN 186
172 NEXT JO
174 MOVE 30,60
176 PRINT @D:"No data for this case."
178 FOR H=1 TO 50
180 G=SQR(99999)
182 NEXT H
184 GO TO 594
186 TO=85
188 DO=4
190 V$=SEG(D$,(JO-1)*4+1,4)
192 L1=VAL(V$)
194 V$=SEG(D$,JO*4+1,4)
196 L2=VAL(V$)-1
198 IF L2-L1<10 THEN 210
200 DO=3
202 IF L2-L1<14 THEN 210
204 DO=2
206 IF L2-L1<20 THEN 210
208 DO=1.5
210 FOR J=L1 TO L2
212 IF L2-L1<25 THEN 216
214 DO=1.4
216 TO=TO-DO
218 MOVE 0,TO
220 P$=SEG(A$,(J-1)*2+1,2)
222 P=VAL(P$)
224 TO=TO-DO
226 MOVE 0,TO
228 IF P>1 THEN 234
230 PRINT @D:'   To Deter Imminent Attack'
232 GO TO 588
234 IF P>2 THEN 240
236 PRINT @D:'   To Improve or Rectify Deterrence Posture'
238 GO TO 588
240 IF P>3 THEN 246
242 PRINT @D:'   To Put Down a Rebellion'
244 GO TO 588
246 IF P>4 THEN 252
248 PRINT @D:'   To Restore a Regime'
250 GO TO 588
252 IF P>5 THEN 258
254 PRINT @D:'   To Regain Access to Economic Resources'
256 GO TO 588
258 IF P>6 THEN 264
260 PRINT @D:'   To Restore Peace'
262 GO TO 588
264 IF P>7 THEN 270
266 PRINT @D:'   To Restore Territorial Integrity'
268 GO TO 588
270 IF P>8 THEN 276
272 PRINT @D:'   To Restore Military Balance of Power'
274 GO TO 588
276 IF P>9 THEN 282
278 PRINT @D:'   To Restore Readiness'
280 GO TO 588
282 IF P>10 THEN 288
284 PRINT @D:'   To Preserve Readiness'
286 GO TO 588
288 IF P>11 THEN 294
290 PRINT @D:'   To Preserve Peace'
292 GO TO 588
```

255

```
294 IF P>12 THEN 300
296 PRINT @D:'    To Confirm or Re-Establish Prestige'          21 - 3
298 GO TO 588
300 IF P>13 THEN 306
302 PRINT @D:'    To Preserve Territory and/or Facilities'
304 GO TO 588
306 IF P>14 THEN 312
308 PRINT @D:'    To Preserve Regime from External Threat'
310 GO TO 588
312 IF P>15 THEN 318
314 PRINT @D:'    To Preserve Regime from Internal Threat'
316 GO TO 588
318 IF P>16 THEN 324
320 PRINT @D:'    To Preserve, Restore, or Improve Alliance'
322 GO TO 588
324 IF P>17 THEN 330
326 PRINT @D:'    To Protect Legal and Political Rights'
328 GO TO 588
330 IF P>18 THEN 336
332 PRINT @D:'    To Induce Maintenance of Current Policy'
334 GO TO 588
336 IF P>19 THEN 342
338 PRINT @D:'    To Dissuade from a New Policy'
340 GO TO 588
342 IF P>20 THEN 348
344 PRINT @D:'    To Protect a Military Asset'
346 GO TO 588
348 IF P>21 THEN 354
350 PRINT @D:'    To Support a New Government'
352 GO TO 588
354 IF P>22 THEN 360
356 PRINT @D:'    To Induce National Reorientation'
358 GO TO 588
360 IF P>23 THEN 366
362 PRINT @D:'    To Induce Adoption of a New Policy'
364 GO TO 588
366 IF P>24 THEN 372
368 PRINT @D:'    To Bring About the Fall of a Regime'
370 GO TO 588
372 IF P>25 THEN 378
374 PRINT @D:'    To Support Insurgency'
376 GO TO 588
378 IF P>26 THEN 384
380 PRINT @D:'    To Deny Political Access'
382 GO TO 588
384 IF P>27 THEN 390
386 PRINT @D:'    To Deny Military Access'
388 GO TO 588
390 IF P>28 THEN 396
392 PRINT @D:'    To Assure Continued Economic Access'
394 GO TO 588
396 IF P>29 THEN 402
398 PRINT @D:'    To Preserve, or Regain, Control of the Sea'
400 GO TO 588
402 IF P>30 THEN 408
404 PRINT @D:'    To Preserve, or Regain, Control of the Air'
406 GO TO 588
408 IF P>31 THEN 414
410 PRINT @D:'    To Protect Human Life'
412 GO TO 588
414 IF P>32 THEN 420
416 PRINT @D:'    To Provide Sanctuary or Asylum'
418 GO TO 588
420 IF P>33 THEN 426
422 PRINT @D:'    To Support Critical Negotiations'
424 GO TO 588
```

```
426 IF P>34 THEN 432
428 PRINT @D:'   To Discover Intentions or Actions'
430 GO TO 588
432 IF P>35 THEN 438
434 PRINT @D:'   To Prepare for Alternative Missions'
436 GO TO 588
438 IF P>36 THEN 444
440 PRINT @D:'   To Support Efforts by the United Nations'
442 GO TO 588
444 IF P>37 THEN 450
446 PRINT @D:'   To Contain Opponents'
448 GO TO 588
450 IF P>38 THEN 456
452 PRINT @D:'   To Prevent Spread of War'
454 GO TO 588
456 IF P>39 THEN 462
458 PRINT @D:'   To Preserve Lines of Communication'
460 GO TO 588
462 IF P>40 THEN 468
464 PRINT @D:'   To Regain Technical Advantage'
466 GO TO 588
468 IF P>41 THEN 474
470 PRINT @D:'   To Restore Prestige'
472 GO TO 588
474 IF P>42 THEN 480
476 PRINT @D:'   To Preserve Balance of Power'
478 GO TO 588
480 IF P>43 THEN 486
482 PRINT @D:'   To Prevent Spread of Capitalist Influence'
484 GO TO 588
486 IF P>44 THEN 492
488 PRINT @D:'   To Prevent Nuclear Proliferation'
490 GO TO 588
492 IF P>45 THEN 498
494 PRINT @D:'   To Insure Self-Sufficiency'
496 GO TO 588
498 IF P>46 THEN 504
500 PRINT @D:'   To Avoid Direct Involvement'
502 GO TO 588
504 IF P>47 THEN 510
506 PRINT @D:'   To Preserve Secrecy'
508 GO TO 588
510 IF P>48 THEN 518
512 PRI @D:'   To Preserve Elite Power/Political System within the US';
514 PRINT @D:'SR'
516 GO TO 588
518 IF P>49 THEN 524
520 PRINT '   To Preserve Buffer System (East Europe and Mongolia)'
522 GO TO 588
524 IF P>50 THEN 532
526 PRI @D:'   To Preserve Soviet Preminence in International Communi';
528 PRINT @D:'sm'
530 GO TO 588
532 IF P>51 THEN 538
534 PRINT @D:'   To Prevent the Reemergence of Germany as a Major Power'
536 GO TO 588
538 IF P>52 THEN 544
540 PRINT @D:'   To Contain PRC Expansionism(Ideol,Polit,Econ,Territor';
542 PRINT 'ial'
544 GO TO 588
546 IF P>53 THEN 552
548 PRINT @D:'   To Avoid Isolation'
550 GO TO 588
552 IF P>54 THEN 558
554 PRINT @D:'   To Maximize Soviet and Soviet Leadership Prestige'
556 GO TO 588
```

```
558 IF P>55 THEN 566
560 PRINT @D:'   To Support Shift in Correlation of Global Forces
562 PRINT @D:' Capitalism'
564 GO TO 588
566 IF P>56 THEN 572
568 PRINT @D:'   To Eliminate Western Influence in the Third World'
570 GO TO 588
572 IF P>57 THEN 580
574 PRI @D:'   To Achieve Equal Status with the U.S. as a Global Super';
576 PRINT @D:'Power'
578 GO TO 588
580 IF P>58 THEN 586
582 PRINT @D:'   To Prevent the UN Secretariat from Independent Action'
584 GO TO 588
586 PRINT @D:'   To Alter Balance of Power toward USSR, Allies, Clients'
588 NEXT J
589 MOVE 20,0
590 PRINT 'Press HOME/PAGE to clear the screen.'
592 GO TO 596
594 PAGE
596 NEXT IO
598 PAGE
600 MOVE 20,90
602 PRINT 'Soviet objectives printed for all cases selected.'
606 MOVE 20,80
608 PRINT 'Summary of Program Keys :'
610 MOVE 28,70
612 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
614 MOVE 28,65
616 PRINT 'o No. 2 - SOVIET ACTIONS'
618 MOVE 28,60
620 PRINT 'o No. 3 - SOVIET OBJECTIVES'
622 MOVE 28,55
624 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
626 MOVE 28,50
628 PRINT 'o No. 5 - CRISIS OUTCOMES'
630 MOVE 30,20
632 PRINT 'Press Program Key.'
634 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 400
25 IF KO=2 THEN 1000
26 IF KO=3 THEN 930
27 IF KO>3 THEN 72
28 NO=3
29 GO TO 90
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 PAGE
71 GO TO 2400
72 IF KO=4 THEN 2040
73 IF KO=5 THEN 2620
74 IF KO=6 THEN 2850
80 FIND 22
81 SAVE
82 PRINT 'Saved on 22'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(4343),K$(387),Y(43),Z$(26),H$(387),N$(15),E$(303)
130 K9=0
140 Y=0
150 SET KEY
160 Z$='Press CONTINUE (Key No. 6)'
170 D=32
180 PAGE
190 MOVE 30,100
200 PRINT 'Crisis Selection by Soviet Management Problem'
202 MOVE 15,90
204 PRINT 'o Management problems will be listed one by one.'
210 MOVE 15,82
220 PRINT 'o After each problem, please type Y or N or P :'
230 MOVE 28,77
240 PRINT 'Y -> YES, Select crises with this problem.'
250 MOVE 28,72
```

```
260 PRINT 'N -> NO,   Ignore this problem in the crisis'
262 MOVE 28,69                                                    22 - 2
264 PRINT '              selection.'
270 MOVE 28,64
280 PRINT 'P -> PROCEED, Stop listing problems; go'
282 MOVE 28,61
284 PRINT '              directly to the file search.'
310 MOVE 15,50
320 PRINT 'o Your selections will be acknowledged by '*'.'
330 LO=0
340 JO=0
370 MOVE 30,10
380 PRINT Z$
382 KO=1
390 END
400 PAGE
410 MOVE 20,100
420 PRINT 'Soviet Crisis Management Problems'
430 MOVE 0,95
440 PRINT @D:'Constraints on Military Action ';
450 GOSUB 1900
470 PRINT @D:'Consideration of Soviet Domestic Impact ';
480 GOSUB 1900
500 PRINT @D:'Consideration of International Relations ';
510 GOSUB 1900
530 PRINT @D:'Proposed Action Produces Foreign Policy Conflict ';
540 GOSUB 1900
560 PRINT @D:'Inability to Reinforce Local Units in Time ';
570 GOSUB 1900
590 PRINT @D:'Inability to Provide Additional Logistical Support ';
600 GOSUB 1900
620 PRINT @D:'Crisis Actions Affected by Ideological Issues ';
630 GOSUB 1900
650 PRINT @D:'Crisis Actions Affected by Emotional Issues ';
660 GOSUB 1900
680 PRINT @D:'Multi-Lingual Problems ';
690 GOSUB 1900
710 PRINT @D:'Delay in Contacting Proper Individuals ';
720 GOSUB 1900
740 PRINT @D:'Action in Friendly Country(Area) ';
750 GOSUB 1900
770 PRINT @D:'Action in Hostile Country(Area) ';
780 GOSUB 1900
800 PRINT @D:'Action Inadequate to Prevent Crisis ';
810 GOSUB 1900
830 PRINT @D:'Action Inadequate to Solve Crisis ';
840 GOSUB 1900
860 PRINT @D:'Forces Inadequate to Solve Crisis ';
870 GOSUB 1900
870 PRINT @D:'Failure to Execute Action in Time ';
900 GOSUB 1900
920 PRINT @D:'Inadequate Logistic Support ';
930 GOSUB 1900
950 PRINT @D:'Inadequate Control of Local Forces ';
960 GOSUB 1900
980 PRINT @D:'Non-Availability of Transportation (Sea/Air) ';
990 GOSUB 1900
1000 PAGE
1010 PRINT @D:'Geography, Terrain, Climate ';
1020 GOSUB 1900
1040 PRINT @D: USING 'FA':'Distance to Crisis Area ';
1050 GOSUB 1900
1070 PRINT @D:'Unique Logistics/Communication Requirements ';
1080 GOSUB 1900
1100 PRINT @D:'Crisis Develops Despite Substantial Actions ';
1110 GOSUB 1900
```

```
1130 PRINT @D:"Overreaction to Crisis ";
1140 GOSUB 1900
1160 PRINT @D:"Late Soviet Political-Military Involvement ";
1170 GOSUB 1900
1190 PRINT @D:"Soviet Political-Military Involvement at Outset ";
1200 GOSUB 1900
1220 PRINT @D:"Situation is Slow Developing ";
1230 GOSUB 1900
1250 PRINT @D:"Situation Develops Over Time; Crisis is Sudden ";
1260 GOSUB 1900
1280 PRINT @D:"Sudden Crisis with Prolonged Action/Solution ";
1290 GOSUB 1900
1310 PRINT @D:"Prolonged Crisis with Intermittant Peaks ";
1320 GOSUB 1900
1340 PRINT @D:"Simultaneous Multi-Crises ";
1350 GOSUB 1900
1370 PRINT @D:"Perceived Threat to Homeland ";
1380 GOSUB 1900
1400 PRINT @D:"Perceived Threat to Key Regions ";
1410 GOSUB 1900
1430 PRINT @D:"Fear of Germany ";
1440 GOSUB 1900
1460 PRINT @D:"Fear of Encirclement by Western States ";
1470 GOSUB 1900
1490 PRINT @D:"Sensivity to Criticism from Allies ";
1500 GOSUB 1900
1520 PRINT @D:"Other Marxist-Leninist States Involved ";
1530 GOSUB 1900
1550 PRINT @D:"Opponents Include Marxist-Leninist States ";
1560 GOSUB 1900
1580 PRINT @D:"Joint Operations with Other Marxist-Leninist States ";
1590 GOSUB 1900
1610 PRINT @D:"Local CP's and Movements Threatened ";
1620 GOSUB 1900
1640 PRINT @D:"Local CP's and Movements Fail to Follow Soviets ";
1650 GOSUB 1900
1670 PRINT @D:"Local CP's and Movements Oppose Soviets ";
1680 GOSUB 1900
1700 PRINT @D:"Little Military Experience in Crisis Theater ";
1710 GOSUB 1900
1740 MOVE 10,60
1840 PRINT "Problem selection is finished."
1850 MOVE 20,5
1860 PRINT Z$
1870 KO=4
1880 END
1890 REM **to handle user input**
1900 LO=LO+1
1910 GIN X,YO
1920 INPUT A$
1930 MOVE X+3,YO
1940 IF A$="n" THEN 2020
1950 IF A$="y" THEN 1980
1960 IF A$="p" THEN 2040
1970 GO TO 1920
1980 JO=JO+1
1990 Y(JO)=LO
2000 PRINT @D:"*"
2010 GO TO 2030
2020 PRINT @D:" "
2030 RETURN
2040 PAGE
2050 MOVE 20,100
2060 PRINT "Data on Soviet Management Problems are being read."
2070 FIND 23
2080 READ @33:N,N1,N1,Z$
```

```
2082 K$=H$
2090 MOVE 20,94
2100 PRINT 'The crises are being searched for selected problems.'
2110 MOVE 20,90
2120 PRINT 'This process may take 60-90 seconds.';
2130 T0=101
2140 I0=0
2150 FOR K=1 TO 386
2160 S$=SEG(H$,K,1)
2170 IF S$='0' THEN 2290
2180 I0=I0+1
2190 L0=(I0-1)*43
2200 FOR L=1 TO J0
2210 J1=Y(L)
2220 Q$=SEG(X$,L0+J1,1)
2230 IF Q$='2' THEN 2240
2232 NEXT L
2236 GO TO 2290
2240 K$=REP('0',K,1)
2242 T0=T0-1
2290 NEXT K
2300 PRINT '  Search finished.'
2310 MOVE 20,85
2320 PRINT USING 2330:T0
2330 IMAGE 3d,' crises with these problems were found.'
2340 FIND 18
2350 WRITE @33:K$
2360 MOVE 40,78
2370 PRINT 'Summary of Program Keys'
2380 MOVE 20,70
2390 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
2400 MOVE 20,65
2410 PRINT 'o No. 2 - U.S. ACTIONS'
2420 MOVE 20,60
2430 PRINT 'o No. 3 - U.S. OBJECTIVES'
2440 MOVE 20,55
2450 PRINT 'o No. 4 - PROBLEMS'
2460 MOVE 20,50
2470 PRINT 'o No. 5 - CRISIS OUTCOMES'
2480 MOVE 20,45
2490 PRINT 'o No. 6 - CONTINUE (To print titles of selected crises)'
2500 MOVE 20,40
2510 PRINT 'o No. 7 - REPEAT (To the INTRODUCTION)'
2520 MOVE 20,35
2530 PRINT 'o No. 8 - ACTIONS/OBJECTIVES'
2540 MOVE 20,30
2550 PRINT 'o No. 9 - PROBLEM ANALYZER'
2560 MOVE 20,25
2570 PRINT 'o No. 10- HELP (For general information)'
2580 MOVE 20,5
2590 PRINT 'Press Program Key'
2600 K0=5
2610 END
2620 PAGE
2630 MOVE 20,95
2640 PRINT 'Crises with Selected Problems'
2650 MOVE 0,70
2660 FIND 25
2670 L0=3
2680 FOR K=1 TO 386
2690 INPUT @33:Q$
2700 P$=SEG(X$,K,1)
2710 IF P$='0' THEN 2800
2720 X=POS(Q$,'>',20)
2730 P$=SEG(Q$,7,X-9)
2740 PRINT @0: USING 2742:K,P$
```

```
2742 IMAGE   3a,1x,65a
2750 LO=LO+1
2760 IF LO<34 THEN 2800
2770 MOVE 0,0
2780 LO=3
2790 PRINT 'Press HOME/PAGE to clear screen '
2800 NEXT K
2810 MOVE 20,5
2820 PRINT 'All crises selected have been printed; press CONTINUE.'
2830 KO=6
2840 END
2850 PAGE
2860 GO TO 2360
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 GO TO 1830
44 NO=12
45 GO TO 90
48 NO=15
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 24
81 SAVE
82 PRINT 'Saved on 24'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM A$(4344),E$(304),K$(387),Y$(19),Z$(387)
110 Y$='--------------------'
120 D=32
130 PAGE
140 MOVE 10,60
150 PRINT 'Data on Soviet problems are being read from tape.'
160 FIND 23
170 READ @33:A$,E$,Z$
180 FIND 18
190 READ @33:K$
200 PAGE
210 FIND 25
220 FOR L=1 TO 386
230 INPUT @33:Q$
240 G$=SEG(K$,L,1)
250 IF G$='0' THEN 1820
260 PRINT Y$,Y$,Y$,Y$
270 X=POS(Q$,'>',20)
280 O$=SEG(Q$,9,X-9)
290 PRINT @D: USING 300:L,O$
300 IMAGE (3d,1x,55a)
310 PRINT Y$,Y$,Y$,Y$
320 PRINT 'Soviet Management Problems'
330 G$=SEG(Z$,L,1)
340 IF G$='0' THEN 420
350 GIN X,Y
360 MOVE 0,Y-3
370 FOR K=1 TO 101
380 B$=SEG(E$,(K-1)*3+1,3)
390 B=VAL(B$)
400 IF B=L THEN 490
410 NEXT K
420 MOVE 20,60
```

```
430 PRINT 'No data for this case.'
440 FOR G=1 TO 50
450 H=SQR(99999)
460 NEXT G
470 PAGE
480 GO TO 1820
490 MOVE 0,85
500 S$=SEG(A$,(K-1)*43+1,43)
510 P$=SEG(S$,1,1)
520 IF P$<>'1' THEN 540
530 PRINT @D: USING 'FA':'Constraints on Military Action'
540 P$=SEG(S$,2,1)
550 IF P$<>'1' THEN 570
560 PRINT @D:'Consideration of Soviet Domestic Impact'
570 P$=SEG(S$,3,1)
580 IF P$<>'1' THEN 600
590 PRINT @D:'Consideration of International Relations'
600 P$=SEG(S$,4,1)
610 IF P$<>'1' THEN 630
620 PRINT @D:'Proposed Action Produces Foreign Policy Conflict'
630 P$=SEG(S$,5,1)
640 IF P$<>'1' THEN 660
650 PRINT @D:'Inability to Reinforce Local Units in Time'
660 P$=SEG(S$,6,1)
670 IF P$<>'1' THEN 680
680 PRINT @D:'Inability to Provide Additional Logistical Support'
690 P$=SEG(S$,7,1)
700 IF P$<>'1' THEN 720
710 PRINT @D:'Crisis Actions Afffected by Ideological Issues'
720 P$=SEG(S$,8,1)
730 IF P$<>'1' THEN 750
740 PRINT @D:'Crisis Actions Affected by Emotional Issues'
750 P$=SEG(S$,9,1)
760 IF P$<>'1' THEN 780
770 PRINT @D: USING 'FA':'Multi-Lingual Problems'
780 P$=SEG(S$,10,1)
790 IF P$<>'1' THEN 810
800 PRINT @D:'Delay in Contacting Proper Individuals'
810 P$=SEG(S$,11,1)
820 IF P$<>'1' THEN 840
830 PRINT @D: USING 'FA':'Action in Friendly Country(Area)'
840 P$=SEG(S$,12,1)
850 IF P$<>'1' THEN 870
860 PRINT @D: USING 'FA':'Action in Hostile Country(Area)'
870 P$=SEG(S$,13,1)
880 IF P$<>'1' THEN 900
890 PRINT @D: USING 'FA':'Action Inadequate to Prevent Crisis'
900 P$=SEG(S$,14,1)
910 IF P$<>'1' THEN 930
920 PRINT @D:'Action Inadequate to Solve Crisis'
930 P$=SEG(S$,15,1)
940 IF P$<>'1' THEN 960
950 PRINT @D:'Forces Inadequate to Solve Crisis'
960 P$=SEG(S$,16,1)
970 IF P$<>'1' THEN 990
980 PRINT @D:'Failure to Execute Action in Time'
990 P$=SEG(S$,17,1)
1000 IF P$<>'1' THEN 1020
1010 PRINT @D:'Inadequate Logistic Support'
1020 P$=SEG(S$,18,1)
1030 IF P$<>'1' THEN 1050
1040 PRINT @D:'Inadequate Control of Local Forces'
1050 P$=SEG(S$,19,1)
1060 IF P$<>'1' THEN 1080
1070 PRINT @D:'Non-Availability of Transportation (Sea/Air)'
1080 P$=SEG(S$,20,1)
```

```
1090 IF P$<>'1' THEN 1110
1100 PRINT @D:'Geography, Terrain, Climate'
1110 P$=SEG(S$,21,1)
1120 IF P$<>'1' THEN 1140
1130 PRINT @D: USING 'FA':'Distance to Crisis Area'
1140 P$=SEG(S$,22,1)
1150 IF P$<>'1' THEN 1170
1160 PRINT @D:'Unique Logistics/Communication Requirements'
1170 P$=SEG(S$,23,1)
1180 IF P$<>'1' THEN 1200
1190 PRINT @D:'Crisis Develops Despite Substantial Actions'
1200 P$=SEG(S$,24,1)
1210 IF P$<>'1' THEN 1230
1220 PRINT @D: USING 'FA':'Overreaction to Crisis'
1230 P$=SEG(S$,25,1)
1240 IF P$<>'1' THEN 1260
1250 PRINT @D:'Late Soviet Political-Military Involvement'
1260 P$=SEG(S$,26,1)
1270 IF P$<>'1' THEN 1290
1280 PRINT @D:'Soviet Political-Military Involvement at Outset'
1290 P$=SEG(S$,27,1)
1300 IF P$<>'1' THEN 1320
1310 PRINT @D:'Situation is Slow Developing'
1320 P$=SEG(S$,28,1)
1330 IF P$<>'1' THEN 1350
1340 PRINT @D:'Situation Develops Over Time; Crisis is Sudden'
1350 P$=SEG(S$,29,1)
1360 IF P$<>'1' THEN 1380
1370 PRINT @D:'Sudden Crisis with Prolonged Action/Solution'
1380 P$=SEG(S$,30,1)
1390 IF P$<>'1' THEN 1410
1400 PRINT @D:'Prolonged Crisis with Intermittant Peaks'
1410 P$=SEG(S$,31,1)
1420 IF P$<>'1' THEN 1440
1430 PRINT @D: USING 'FA':'Simultaneous Multi-Crises'
1440 P$=SEG(S$,32,1)
1450 IF P$<>'1' THEN 1470
1460 PRINT @D: USING 'FA':'Perceived Threat to Homeland'
1470 P$=SEG(S$,33,1)
1480 IF P$<>'1' THEN 1500
1490 PRINT @D:'Perceived Threat to Key Regions'
1500 P$=SEG(S$,34,1)
1510 IF P$<>'1' THEN 1530
1520 PRINT @D: USING 'FA':'Fear of Germany'
1530 P$=SEG(S$,35,1)
1540 IF P$<>'1' THEN 1560
1550 PRINT @D:'Fear of Encirclement by Western States'
1560 P$=SEG(S$,36,1)
1570 IF P$<>'1' THEN 1590
1580 PRINT @D:'Sensivity to Criticism from Allies'
1590 P$=SEG(S$,37,1)
1600 IF P$<>'1' THEN 1620
1610 PRINT @D:'Other Marxist-Leninist States Involved'
1620 P$=SEG(S$,38,1)
1630 IF P$<>'1' THEN 1650
1640 PRINT @D:'Opponents Include Marxist-Leninist States'
1650 P$=SEG(S$,39,1)
1660 IF P$<>'1' THEN 1680
1670 PRINT @D:'Joint Operations with Other Marxist-Leninist States'
1680 P$=SEG(S$,40,1)
1690 IF P$<>'1' THEN 1710
1700 PRINT @D:'Local CP's and Movements Threatened'
1710 P$=SEG(S$,41,1)
1720 IF P$<>'1' THEN 1740
1730 PRINT @D:'Local CP's and Movements Fail to Follow Soviets'
1740 P$=SEG(S$,42,1)
```

```
1610 PRINT 'Press Program Key'
1612 END
1620 IF A$='N' THEN 1950
1621 IF A$<>'Y' THEN 1520
1630 GIN G,H
1631 K0=4
1632 MOVE 10,H
1638 PRINT 'Do you want to select or delete cases (S,D or N) ?';
1639 K0=4
1640 N1=0
1650 INPUT A$
1660 IF A$='N' THEN 1820
1670 IF A$='D' THEN 1740
1672 IF A$='?' THEN 1681
1673 IF A$='/' THEN 1681
1680 IF A$<>'S' THEN 1630
1681 PAGE
1682 MOVE 10,80
1683 PRINT 'You may :'
1684 MOVE 15,70
1685 PRINT 'o Examine all cases selected by the key-words (Enter N)'
1686 MOVE 15,65
1687 PRINT 'o Ignore the cases selected and enter new case id's (Enter';
1688 PRINT ' S)'
1689 MOVE 15,60
1690 PRINT 'o Delete cases from those selected by the key-words (Enter';
1691 PRINT ' D)'
1692 GO TO 1650
1699 H$='1'
1700 K=0
1710 PRINT USING 1720:'selected'
1720 IMAGE 'Enter id of case to be ', 8a,'. End by entering 0.'
1730 GO TO 1760
1740 PRINT USING 1720:'deleted '
1750 H$='0'
1760 INPUT C
1770 IF C=0 THEN 1820
1780 IF C>386 THEN 1800
1790 K$=REP(H$,C,1)
1800 PRINT 'Enter next case id. End by 0.'
1810 GO TO 1760
1820 FIND 18
1830 WRITE @33:K$
1840 END
1950 END
1960 T0=T0-G
1970 MOVE P,T0
1980 RETURN
1990 REM to draw box
2000 X1=U-2
2010 Y1=V+4
2020 MOVE X1,Y1
2030 X2=X1+A
2040 DRAW X2,Y1
2050 Y2=V-2
2060 DRAW X2,Y2
2070 DRAW X1,Y2
2080 DRAW X1,Y1
2090 MOVE U,V
2100 RETURN
```

```
1 DELETE K$
2 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 GO TO 1550
28 INIT
29 GO TO 1
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 26
81 SAVE
82 PRINT 'Saved on 26'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM K$(386)
110 DATA 32,106,12,6
120 READ M,TO,PO,GO
130 Z$='Press HOME/PAGE to clear screen'
140 U$='>'
150 PAGE
160 P=PO+12
170 Q=GO
180 GOSUB 1960
190 PRINT '            KEY WORD SEARCH PROGRAM'
200 Q=GO+4
202 P=PO
210 GOSUB 1760
400 FIND 25
420 P=PO
430 GOSUB 1960
440 PRINT 'You may search the crisis files by key-words.'
450 L=0
460 N=0
470 GOSUB 1960
480 PRINT 'Enter a KEY WORD and its SELECTION MODE, or'
481 GOSUB 1960
482 PRINT 'Enter '?' for an explanation of KEYWORD, SELECTION MODE'
490 NO=2
500 INPUT W$
502 IF W$='?' THEN 520
```

```
504 IF W$='/' THEN 520
510 GO TO 820
520 PAGE
530 T0=100
540 P=P0
550 Q=Q0
560 GOSUB 1960
570 GIN U,V
580 A=114
590 GOSUB 1990
600 PRI 'A KEY WORD is a word or phrase related to crises of interest.'
610 Q=Q0+2
620 GOSUB 1960
630 PRINT 'Examples: MIDEAST, USSR, A/C, NAVY, POLITICAL, DIPLOMATIC'
640 GOSUB 1960
650 GOSUB 1960
660 GIN U,V
670 GOSUB 1990
680 PRINT 'SELECTION MODE (+ or -) refers to how the KEY WORD is used.'
690 GOSUB 1960
700 PRINT 'To select all cases WITH the key word, precede it by +.'
710 GOSUB 1960
720 PRINT 'To select all cases WITHOUT the key word, precede it by -.'
730 GOSUB 1960
740 PRINT 'Example : +U.S. for all cases involving the U.S. directly;'
750 Q=Q0-2
760 GOSUB 1960
770 PRINT '          -USSR for all cases not involving the USSR.'
780 Q=Q0
790 P=P0
800 GOSUB 1960
810 PRINT 'Enter KEY WORD ';
812 GO TO 500
820 V$=SEG(W$,1,1)
830 A$=W$
831 IF V$='+' THEN 840
832 IF V$='-' THEN 840
833 V$='+'
834 GO TO 850
840 A$=SEG(W$,2,LEN(W$)-1)
850 P=P0
860 Q=Q0
870 GOSUB 1960
880 PRINT 'Enter a second KEY WORD ';
890 INPUT O$
900 J$=SEG(O$,1,1)
901 IF J$='+' THEN 920
902 IF J$='-' THEN 920
903 J$='+'
910 B$=O$
912 GO TO 930
920 B$=SEG(O$,2,LEN(O$)-1)
930 PAGE
940 T0=100
950 IF LEN(O$)=0 THEN 780
960 PRINT 'KEY WORDS :',W$,'and',O$
970 GO TO 990
980 PRINT 'KEY WORD :',W$
990 T0=T0-4
991 IF L>0 THEN 1010
1010 L=L+1
1020 IF L>315 THEN 1340
1030 INPUT @33:D$
1040 X=POS(D$,A$,9)
1050 IF X>0 THEN 1080
1060 IF V$='-' THEN 1110
```

269

```
1070 GO TO 1090
1080 IF V$<>'-' THEN 1110
1090 K$=REP('0',L,0)
1100 GO TO 1010
1110 IF LEN(O$)=0 THEN 1190
1120 X=POS(Q$,B$,9)
1130 IF X>0 THEN 1160
1140 IF J$='-' THEN 1190
1150 GO TO 1170
1160 IF J$<>'-' THEN 1190
1170 K$=REP('0',L,0)
1180 GO TO 1010
1190 U=POS(Q$,U$,15)
1200 C$=SEG(Q$,9,U-9)
1210 P=0
1220 Q=4
1230 GOSUB 1960
1240 PRINT USING 1250:L,C$
1250 IMAGE 3D,1X,68A
1260 N=N+1
1270 K$=REP('1',L,0)
1280 GIN O,P
1290 IF P>5 THEN 1010
1300 TO=100
1310 MOVE 20,0
1320 PRINT Z$
1330 GO TO 950
1340 IF N>0 THEN 1370
1350 PRINT 'No cases were found.'
1360 GO TO 1380
1370 PRINT 'Cases found = ',N
1380 GIN G,H
1382 MOVE 10,H
1390 PRINT 'Another search (Y or N) ?';
1420 INPUT A$
1430 IF A$='Y' THEN 1460
1440 IF A$='N' THEN 1510
1450 GO TO 1390
1460 PAGE
1470 DELETE K$
1480 DIM K$(386)
1490 TO=100
1500 GO TO 400
1510 IF N=0 THEN 1950
1520 GIN G,H
1521 MOVE 10,H
1522 PRINT 'Would you like to examine these crises (Y or N) ?';
1530 KO=3
1532 INPUT A$
1534 IF A$='?' THEN 1550
1535 IF A$='/' THEN 1550
1540 GO TO 1620
1550 PAGE
1551 MOVE 10,80
1580 PRINT 'Summary of Program Keys :'
1581 MOVE 15,70
1582 PRINT 'o NO. 1 - CRISIS DESCRIPTORS'
1583 MOVE 15,65
1584 PRINT 'o No. 2 - SOVIET ACTIONS'
1585 MOVE 15,60
1586 PRINT 'o No. 3 - SOVIET OBJECTIVES'
1587 MOVE 15,55
1600 PRINT 'o No. 4 - CRISIS PROBLEMS'
1601 MOVE 15,50
1602 PRINT 'o No. 5 - CRISIS OUTCOMES'
```

```
1750 IF P$<>'1' THEN 1770
1760 PRINT @D:'Local CP's and Movements Oppose Soviets'              26 - 4
1770 P$=SEG(S$,43,1)
1780 IF P$<>'1' THEN 1800
179  PRINT @D:'Little Military Experience in Crisis Theater'
1800 MOVE 10,0
1810 PRINT 'Press HOME/PAGE to continue.'
1820 NEXT L
1830 PAGE
1840 MOVE 10,90
1850 PRINT 'Soviet problems for all cases selected have been printed.'
1860 MOVE 20,80
1870 PRINT 'Summary of Program Keys :'
1880 MOVE 28,70
1890 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
1900 MOVE 28,65
1910 PRINT 'o No. 2 - SOVIET ACTIONS'
1920 MOVE 28,60
1930 PRINT 'o No. 3 - SOVIET OBJECTIVES'
1940 MOVE 28,55
1950 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
1960 MOVE 28,50
1970 PRINT 'o No. 5 - CRISIS OUTCOMES'
1980 MOVE 30,20
1990 PRINT 'Press Program Key.'
2000 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 340
25 IF KO=2 THEN 2590
27 IF KO=4 THEN 2590
28 GO TO 100
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 30
81 SAVE
82 PRINT 'Saved on 30'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(2772),K$(386),Z$(26),Z(79),H$(474),I0(127),H$(386)
110 X0=0
120 Z$='Press CONTINUE (Key No. 6)'
130 Y$='Press HOME/PAGE to continue'
140 SET KEY
150 PAGE
160 MOVE 30,95
170 PRINT 'Crisis Selection by Outcomes'
180 MOVE 20,85
190 PRINT 'o After each Outcome, please type Y or N or P.'
200 MOVE 28,77
210 PRINT 'Y -> YES, Select cases with this goal.'
220 MOVE 28,72
230 PRINT 'N -> NO, Ignore this outcome in crisis selection'
240 MOVE 28,67
250 PRINT 'P -> PROCEED, Stop listing outcomes; go'
260 MOVE 35,64
270 PRINT ' directly to the file search.'
280 MOVE 20,50
290 PRINT 'o Your selections will be acknowledged by *'
300 MOVE 40,15
310 PRINT Z$
320 KO=1
330 END
340 PAGE
350 L0=0
360 J0=0
370 Z=0
```

272

```
380 TO=100
390 P$='Support Marxist-Leninist ideology'
400 GOSUB 1680
410 P$='Enhance ideological unity of the fraternal Communist parties'
420 GOSUB 1680
430 P$='Enhance ideological leadership of CPSU'
440 GOSUB 1680
450 P$='Support other progressive ideologies'
460 GOSUB 1680
470 P$='Enhance leadership of CPSU in international CP policy-making'
480 GOSUB 1680
490 P$='Enhance unity of CP's in foreign affairs'
500 GOSUB 1680
510 P$='Give support to CP's in developed capitalist states'
520 GOSUB 1680
530 P$='Give support to CP's in developing states'
540 GOSUB 1680
550 P$='Restore domestic stability in the Soviet Union'
560 GOSUB 1680
570 P$='Oppose external interference in Soviet domestic affairs'
580 GOSUB 1680
590 P$='Restore stability of non-Russian nationalities in USSR'
600 GOSUB 1680
610 P$='Defend the first socialist state against external threats'
620 GOSUB 1680
630 P$='Defend the fraternal socialist states'
640 GOSUB 1680
650 P$='Support progressive and democratic forces abroad'
660 GOSUB 1680
670 P$='Increase the prestige of Soviet armed forces'
680 GOSUB 1680
690 P$='Increase economic capacity of Soviet Union at a rapid rate'
700 GOSUB 1680
710 P$='Increase economic cooperation with fraternal socialist states'
720 GOSUB 1680
730 P$='Expand mutually beneficial peaceful relations with all states'
740 GOSUB 1680
750 P$='Assist economic independence of developing states'
760 GOSUB 1680
770 P$='Reduce chances of war with U.S. and NATO'
780 GOSUB 1680
790 P$='Increase mutually beneficial exchanges with capitalist states'
800 GOSUB 1680
810 P$='Press the anti-capitalist ideological struggle'
820 GOSUB 1680
830 P$='Increase security of the East European buffer states'
840 GOSUB 1680
850 P$='Oppose revival of militarism in West Germany'
860 GOSUB 1680
870 P$='Promote the unity of fraternal socialist parties in europe'
880 GOSUB 1680
890 P$='Oppose anti-Soviet European-Chinese cooperation'
900 GOSUB 1680
910 P$='Promote mutually useful cooperation with nonsocialist Europe'
920 GOSUB 1680
930 P$='Defend fraternal socialist states in the third world'
940 GOSUB 1680
950 P$='Defend progressive regimes, movements and states'
960 GOSUB 1680
970 P$='Support economic independence of developing states'
980 GOSUB 1680
990 P$='Increase Soviet international prestige among developing states'
1000 GOSUB 1680
1010 P$='Contain Chinese influence among developing states'
1020 GOSUB 1680
1030 P$='Deter China from military adventurism against the USSR'
```

273

```
970 IF A>16 THEN 1000
980 P$='Increase economic capacity of Soviet Union at a rapid rate'
990 GO TO 2140
1000 IF A>17 THEN 1030
1010 P$='Increase economic cooperation with fraternal socialist states'
1020 GO TO 2140
1030 IF A>18 THEN 1060
1040 P$='Expand mutually beneficial peaceful relations with all states'
1050 GO TO 2140
1060 IF A>19 THEN 1090
1070 P$='Assist economic independence of developing states'
1080 GO TO 2140
1090 IF A>20 THEN 1120
1100 P$='Reduce chances of war with U.S. and NATO'
1110 GO TO 2140
1120 IF A>21 THEN 1150
1130 P$='Increase mutually beneficial exchanges with capitalist states'
1140 GO TO 2140
1150 IF A>22 THEN 1180
1160 P$='Press the anti-capitalist ideological struggle'
1170 GO TO 2140
1180 IF A>23 THEN 1210
1190 P$='Increase security of the East European buffer states'
1200 GO TO 2140
1210 IF A>24 THEN 1240
1220 P$='Oppose revival of militarism in West Germany'
1230 GO TO 2140
1240 IF A>25 THEN 1270
1250 P$='Promote the unity of fraternal socialist parties in europe'
1260 GO TO 2140
1270 IF A>26 THEN 1300
1280 P$='Oppose anti-Soviet European-Chinese cooperation'
1290 GO TO 2140
1300 IF A>27 THEN 1330
1310 P$='Promote beneficial cooperation with nonsocialist Europe'
1320 GO TO 2140
1330 IF A>28 THEN 1360
1340 P$='Defend fraternal socialist states in the third world'
1350 GO TO 2140
1360 IF A>29 THEN 1390
1370 P$='Defend progressive regimes, movements and states'
1380 GO TO 2140
1390 IF A>30 THEN 1420
1400 P$='Support economic independence of developing states'
1410 GO TO 2140
1420 IF A>31 THEN 1450
1430 P$='Increase Soviet international prestige among developing states'
1440 GO TO 2140
1450 IF A>32 THEN 1480
1460 P$='Contain Chinese influence among developing states'
1470 GO TO 2140
1480 IF A>33 THEN 1510
1490 P$='Deter China from military adventurism against the USSR'
1500 GO TO 2140
1510 IF A>34 THEN 1540
1520 P$='Deter China from military adventurism vs fraternal parties'
1530 GO TO 2140
1540 IF A>35 THEN 1570
1550 P$='Support socialist states in Asia against other threats'
1560 GO TO 2140
1570 IF A>36 THEN 1600
1580 P$='Develop alternative transport route to the trans-Siberian rail'
1590 GO TO 2140
1600 IF A>37 THEN 1630
1610 P$='Undermine the legitimacy of PRC's territorial claims'
1620 GO TO 2140
```

```
1040 GOSUB 1680
1050 P$='Deter China from military adventurism vs fraternal parties'
1060 GOSUB 1680
1070 P$='Support socialist states in Asia against other threats'
1080 GOSUB 1680
1090 P$='Develop alternative transport route to the trans-Siberian rail'
1100 GOSUB 1680
1110 P$='Undermine the legitimacy of PRC's territorial claims'
1120 GOSUB 1680
1130 P$='Support Asian states with socialist orientation'
1140 GOSUB 1680
1150 P$='Support beneficial relations with asian nonsocialist states'
1160 GOSUB 1680
1170 P$='Reduce NATO/CENTO threats to the Soviet Union'
1180 GOSUB 1680
1190 P$='Support Middle Eastern and South Asian socialist states'
1200 GOSUB 1680
1210 P$='Support Middle Eastern and South Asian progressive movements'
1220 GOSUB 1680
1230 P$='Support economic independence of region from capitalist states'
1240 GOSUB 1680
1250 P$='Secure Soviet naval access to the Indian Ocean'
1260 GOSUB 1680
1270 P$='Defend African states proclaiming socialist intentions'
1280 GOSUB 1680
1290 P$='Support African progressive regimes, movements and states'
1300 GOSUB 1680
1310 P$='Support independence of African states'
1320 GOSUB 1680
1330 P$='Increase Soviet influence in African states'
1340 GOSUB 1680
1350 P$='Contain Chinese influence among African states'
1360 GOSUB 1680
1370 P$='Defend Cuba against external threats'
1380 GOSUB 1680
1390 P$='Avoid military confrontation with U.S. and OAS in S America'
1400 GOSUB 1680
1410 P$='Encourage independence of Latin American states from U.S.'
1420 GOSUB 1680
1430 P$='Increase solidarity among progressive and democratic forces'
1440 GOSUB 1680
1450 P$='Increase Soviet influence/prestige in Latin America'
1460 GOSUB 1680
1470 MOVE D+10,Y0-10
1480 PRINT 'All Soviet Goals listed.'
1490 MOVE D,0
1500 PRINT Z$
1510 Y0=90
1520 MOVE D,Y0
1530 A=6
1540 C=0
1550 P$='      SUMMARY OF PROGRAM KEYS'
1560 GOSUB 1680
1570 P$='    No. 1 - CRISIS DESCRIPTORS'
1580 GOSUB 1680
1590 P$='    No. 2 - SOVIET ACTIONS'
1600 GOSUB 1680
1610 P$='    No. 3 - SOVIET ACTIONS'
1620 GOSUB 1680
1630 P$='    No. 4 - PROBLEMS'
1640 GOSUB 1680
1650 P$='    No. 5 - OUTCOMES'
1660 GOSUB 1680
1670 END
1680 REM--Sub to handle user input--
1690 
```

```
1700 PRINT P$;
1710 GIN X,Y1
1720 L0=L0+1
1730 INPUT Q$
1740 IF Q$="n" THEN 1810
1750 IF Q$="p" THEN 1900
1760 IF Q$<>"y" THEN 1730
1770 P$="x"
1780 J0=J0+1
1790 Z(J0)=L0
1800 GO TO 1820
1810 P$=" "
1820 MOVE X+2,Y1
1830 PRINT P$
1840 GIN P,Q
1850 IF Q>10 THEN 1880
1860 MOVE 20,0
1870 PRINT Y$
1880 RETURN
1890 REM --sub to search for cases--
1900 PAGE
1910 MOVE 20,60
1920 PRINT 'Goal selection finished.'
1930 IF J0>0 THEN 1970
1940 PRINT 'No goals were chosen. Press Key No. 6 to repeat selection.'
1950 K0=2
1960 END
1970 IF J0>1 THEN 2000
1980 PRINT 'The file will be searched for all crises with this goal.'
1990 GO TO 2010
2000 PRINT 'The file will be searched for all crises with these goals.'
2010 MOVE 20,0
2020 PRINT Y$
2030 IF X0=1 THEN 2070
2040 FIND 31
2050 READ @33:M$,X$,H$
2060 X0=1
2070 T0=128
2080 K$=H$
2090 FOR J1=1 TO 128
2100 K=(J1-1)*3
2110 C$=SEG(M$,K+1,3)
2120 L1=VAL(C$)
2130 C$=SEG(M$,K+4,3)
2140 L2=VAL(C$)-1
2150 FOR J=1 TO J0
2160 W=Z(J)
2170 FOR L=L1 TO L2
2180 K=(L-1)*7+1
2190 A$=SEG(X$,K,2)
2200 A=VAL(A$)
2210 IF A=W THEN 2240
2220 NEXT L
2230 GO TO 2260
2240 NEXT J
2250 GO TO 2290
2260 K1=J1+258
2270 K$=REP('0',K1,1)
2280 T0=T0-1
2290 NEXT J1
2300 PRINT
2310 IF T0>0 THEN 2340
2320 PRINT 'No cases were found.'
2330 GO TO 2390
2340 IF T0>1 THEN 2360
2350 PRINT 'One case was found.'
```

```
2360 PRINT TO;' cases were found.'
2370 MOVE 20,70
2380 PRINT 'Summary of Program Keys :'
2390 MOVE 30,60
2400 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
2410 MOVE 30,55
2420 PRINT 'o No. 2 - SOVIET ACTIONS'
2430 MOVE 30,50
2440 PRINT 'o No. 3 - SOVIET OBJECTIVES'
2450 MOVE 30,45
2460 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
2470 MOVE 30,40
2480 PRINT 'o No. 5 - CRISIS OUTCOMES'
2490 MOVE 30,35
2500 PRINT 'o No. 6 - To print titles of selected crises'
2510 MOVE 30,30
2520 PRINT 'o No. 7 - To repeat this program'
2530 MOVE 30,20
2540 PRINT 'Press Program Key'
2550 FIND 18
2560 WRITE @33:K$
2570 KO=4
2580 END
2590 FIND 25
2600 PAGE
2610 FOR K=1 TO 386
2620 INPUT @33:Q$
2630 A$=SEG(K$,K,1)
2640 IF A$='0' THEN 2700
2650 B=POS(Q$,'>',20)
2660 P$=SEG(Q$,9,B-9)
2670 PRINT P$
2680 IF TO>25 THEN 2700
2690 PRINT
2700 NEXT K
2710 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 192
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 32
81 SAVE
82 PRINT 'Saved on 32'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM M$(474),X$(3018),K$(386)
110 DIM Z$(27),Y$(18)
120 Z$='Press HOME/PAGE to continue'
130 Y$='-------------------'
140 PAGE
141 MOVE 20,90
142 PRINT 'SOVIET GOAL OUTCOMES'
143 MOVE 20,80
144 PRINT 'Soviet goals and their outcomes will be printed'
145 MOVE 20,70
146 PRINT 'for the selected crises.'
148 MOVE 20,60
149 PRINT 'The OUTCOMES data are being read from tape.'
150 FIND 31
160 READ @33:M$,X$,H$
170 Z0=0
180 FIND 18
190 READ @33:K$
192 PAGE
200 FIND 33
210 FOR MO=1 TO 128
220 INPUT @33:G$
230 M1=MO+258
240 A$=SEG(K$,M1,1)
250 IF A$='0' THEN 2920
270 PRINT Y$,Y$,Y$,Y$
280 S=POS(Q$,'>',20)
290 B$=SEG(Q$,9,S-9)
```

```
300 PRINT Q$
310 PRINT Y$,Y$,Y$,Y$
320 C0=0
340 L$=SEG(M$,M0,3)
350 L1=VAL(L$)
360 L$=SEG(M$,M0+3,3)
370 L2=VAL(L$)-1
380 FOR L=L1 TO L2
390 K=(L-1)*7
400 A$=SEG(X$,K,2)
410 A=VAL(A$)
420 J$=SEG(X$,K+3,1)
430 A1=VAL(J$)
440 J$=SEG(X$,K+4,1)
450 A2=VAL(J$)
460 J$=SEG(X$,K+5,1)
470 A3=VAL(J$)
480 J$=SEG(X$,K+6,1)
490 A4=VAL(J$)
500 J$=SEG(X$,K+7,1)
510 A5=VAL(J$)
520 IF A>1 THEN 550
530 P$='Support Marxist-Leninist ideology'
540 GO TO 2140
550 IF A>2 THEN 580
560 P$='Enhance ideological unity of the fraternal Communist parties'
570 GO TO 2140
580 IF A>3 THEN 610
590 P$='Enhance ideological leadership of CPSU'
600 GO TO 2140
610 IF A>4 THEN 640
620 P$='Support other progressive ideologies'
630 GO TO 2140
640 IF A>5 THEN 670
650 P$='Enhance leadership of CPSU in international CP policy-making'
660 GO TO 2140
670 IF A>6 THEN 700
680 P$='Enhance unity of CP's in foreign affairs'
690 GO TO 2140
700 IF A>7 THEN 730
710 P$='Give support to CP's in developed capitalist states'
720 GO TO 2140
730 IF A>8 THEN 760
740 P$='Give support to CP's in developing states'
750 GO TO 2140
760 IF A>9 THEN 790
770 P$='Restore domestic stability in the Soviet Union'
780 GO TO 2140
790 IF A>10 THEN 820
800 P$='Oppose external interference in Soviet domestic affairs'
810 GO TO 2140
820 IF A>11 THEN 850
830 P$='Restore stability of non-Russian nationalities in USSR'
840 GO TO 2140
850 IF A>12 THEN 880
860 P$='Defend the first socialist state against external threats'
870 GO TO 2140
880 IF A>13 THEN 910
890 P$='Defend the fraternal socialist states'
900 GO TO 2140
910 IF A>14 THEN 940
920 P$='Support progressive and democratic forces abroad'
930 GO TO 2140
940 IF A>15 THEN 970
950 P$='Increase the prestige of Soviet armed forces'
960 GO TO 2140
```

```
970 IF A>16 THEN 1000
980 P$='Increase economic capacity of Soviet Union at a rapid rate'
990 GO TO 2140
1000 IF A>17 THEN 1030
1010 P$='Increase economic cooperation with fraternal socialist states'
1020 GO TO 2140
1030 IF A>18 THEN 1060
1040 P$='Expand mutually beneficial peaceful relations with all states'
1050 GO TO 2140
1060 IF A>19 THEN 1090
1070 P$='Assist economic independence of developing states'
1080 GO TO 2140
1090 IF A>20 THEN 1120
1100 P$='Reduce chances of war with U.S. and NATO'
1110 GO TO 2140
1120 IF A>21 THEN 1150
1130 P$='Increase mutually beneficial exchanges with capitalist states'
1140 GO TO 2140
1150 IF A>22 THEN 1180
1160 P$='Press the anti-capitalist ideological struggle'
1170 GO TO 2140
1180 IF A>23 THEN 1210
1190 P$='Increase security of the East European buffer states'
1200 GO TO 2140
1210 IF A>24 THEN 1240
1220 P$='Oppose revival of militarism in West Germany'
1230 GO TO 2140
1240 IF A>25 THEN 1270
1250 P$='Promote the unity of fraternal socialist parties in europe'
1260 GO TO 2140
1270 IF A>26 THEN 1300
1280 P$='Oppose anti-Soviet European-Chinese cooperation'
1290 GO TO 2140
1300 IF A>27 THEN 1330
1310 P$='Promote beneficial cooperation with nonsocialist Europe'
1320 GO TO 2140
1330 IF A>28 THEN 1360
1340 P$='Defend fraternal socialist states in the third world'
1350 GO TO 2140
1360 IF A>29 THEN 1390
1370 P$='Defend progressive regimes, movements and states'
1380 GO TO 2140
1390 IF A>30 THEN 1420
1400 P$='Support economic independence of developing states'
1410 GO TO 2140
1420 IF A>31 THEN 1450
1430 P$='Increase Soviet international prestige among developing states'
1440 GO TO 2140
1450 IF A>32 THEN 1480
1460 P$='Contain Chinese influence among developing states'
1470 GO TO 2140
1480 IF A>33 THEN 1510
1490 P$='Deter China from military adventurism against the USSR'
1500 GO TO 2140
1510 IF A>34 THEN 1540
1520 P$='Deter China from military adventurism vs fraternal parties'
1530 GO TO 2140
1540 IF A>35 THEN 1570
1550 P$='Support socialist states in Asia against other threats'
1560 GO TO 2140
1570 IF A>36 THEN 1600
1580 P$='Develop alternative transport route to the trans-Siberian rail'
1590 GO TO 2140
1600 IF A>37 THEN 1630
1610 P$='Undermine the legitimacy of PRC's territorial claims'
1620 GO TO 2140
```

```
1630 IF A>38 THEN 1660
1640 P$='Support Asian states with socialist orientation'
1650 GO TO 2140
1660 IF A>39 THEN 1690
1670 P$='Support beneficial relations with asian nonsocialist states'
1680 GO TO 2140
1690 IF A>40 THEN 1720
1700 P$='Reduce NATO/CENTO threats to the Soviet Union'
1710 GO TO 2140
1720 IF A>41 THEN 1750
1730 P$='Support Middle Eastern and South Asian socialist states'
1740 GO TO 2140
1750 IF A>42 THEN 1780
1760 P$='Support Middle Eastern and South Asian progressive movements'
1770 GO TO 2140
1780 IF A>43 THEN 1810
1790 P$='Support economic independence of region from capitalist states'
1800 GO TO 2140
1810 IF A>44 THEN 1840
1820 P$='Secure Soviet naval access to the Indian Ocean'
1830 GO TO 2140
1840 IF A>45 THEN 1870
1850 P$='Defend African states proclaiming socialist intentions'
1860 GO TO 2140
1870 IF A>46 THEN 1900
1880 P$='Support African progressive regimes, movements and states'
1890 GO TO 2140
1900 IF A>47 THEN 1930
1910 P$='Support independence of African states'
1920 GO TO 2140
1930 IF A>48 THEN 1960
1940 P$='Increase Soviet influence in African states'
1950 GO TO 2140
1960 IF A>49 THEN 1990
1970 P$='Contain Chinese influence among African states'
1980 GO TO 2140
1990 IF A>50 THEN 2020
2000 P$='Defend Cuba against external threats'
2010 GO TO 2140
2020 IF A>51 THEN 2050
2030 P$='Avoid military confrontation with U.S. and OAS in S America'
2040 GO TO 2140
2050 IF A>53 THEN 2080
2060 P$='Encourage independence of Latin American states from U.S.'
2070 GO TO 2140
2080 IF A>54 THEN 2110
2090 P$='Increase solidarity among progressive and democratic forces'
2100 GO TO 2140
2110 IF A>55 THEN 1792
2120 P$='Increase Soviet influence/prestige in Latin America'
2130 GO TO 2140
2140 GO TO A1 OF 2150,2170,2190,2210,2230
2150 B$='NONE'
2160 GO TO 2240
2170 B$='SMALL'
2180 GO TO 2240
2190 B$='MODERATE'
2200 GO TO 2240
2210 B$='HIGH'
2220 GO TO 2240
2230 B$='SEVERE'
2240 GO TO A2 OF 2250,2270,2290,2310,2330
2250 C$='VERY LOW'
2260 GO TO 2340
2270 C$='MODERATELY LOW'
2280 GO TO 2340
```

```
2290 C$="MODERATE"
2300 GO TO 2340
2310 C$="MODERATELY HIGH"
2320 GO TO 2340
2330 C$="VERY HIGH"
2340 GO TO A3 OF 2350,2370,2390,2410,2430,2450,2450
2350 D$="MAJOR POSITIVE CHANGE"
2360 GO TO 2460
2370 D$="POSITIVE CHANGE"
2380 GO TO 2460
2390 D$="NO CHANGE"
2400 GO TO 2460
2410 D$="NEGATIVE CHANGE"
2420 GO TO 2460
2430 D$="MAJOR NEGATIVE CHANGE"
2440 GO TO 2460
2450 D$="NOT APPLICABLE"
2460 GO TO A4 OF 2470,2490,2510,2530,2550
2470 E$="VERY LOW"
2480 GO TO 2560
2490 E$="MODERATELY LOW"
2500 GO TO 2560
2510 E$="MODERATE"
2520 GO TO 2560
2530 E$="MODERATELY HIGH"
2540 GO TO 2560
2550 E$="VERY HIGH"
2560 GO TO A5 OF 2570,2590,2610,2630,2650,2670,2670
2570 F$="MAJOR POSITIVE CHANGE"
2580 GO TO 2680
2590 F$="POSITIVE CHANGE"
2600 GO TO 2680
2610 F$="NO CHANGE"
2620 GO TO 2680
2630 F$="NEGATIVE CHANGE"
2640 GO TO 2680
2650 F$="MAJOR NEGATIVE CHANGE"
2660 GO TO 2680
2670 F$="NOT APPLICABLE"
2680 PRINT "GOAL :"
2690 PRINT P$
2700 PRINT
2710 PRINT USING 2720:B$
2720 IMAGE "Threat to Goal : ",40a
2730 PRINT
2740 PRINT "TIME PERIOD          IMPACT          OUTCOME"
2750 PRINT "------------         -------         -------"
2760 PRINT USING 2770:C$,D$
2770 IMAGE"Long Term",12X,15a,2x,40a
2780 PRINT USING 2790:E$,F$
2790 IMAGE"Short Term",11X,15a,2x,40a
2800 PRINT
2802 PRINT Y$,Y$,Y$,Y$
2810 CO=CO+1
2820 IF CO<2 THEN 2890
2830 MOVE 20,0
2840 CO=0
2850 PRINT Z$
2860 PRINT Y$,Y$,Y$,Y$
2870 PRINT Q$
2880 PRINT Y$,Y$,Y$,Y$
2890 NEXT L
2900 MOVE 20,0
2910 PRINT Z$
2920 NEXT MO
```

U.S. AID

```
1 GO TO 100
4 A=5
5 B=12
6 C=14
7 GO TO 88
8 A=6
9 B=15
10 C=17
11 GO TO 88
12 A=7
13 B=19
14 C=21
15 GO TO 88
16 A=8
17 B=22
18 C=24
19 GO TO 88
20 A=11
21 B=30
22 C=32
23 GO TO 88
24 IF KO=0 THEN 178
25 IF KO=1 THEN 300
26 IF KO=2 THEN 226
27 IF KO>2 THEN 70
28 GO TO 300
32 A=9
33 B=27
34 C=27
35 GO TO 88
36 A=10
37 B=29
38 C=29
39 GO TO 88
40 NO=4
41 GO TO 96
44 NO=12
45 GO TO 96
48 NO=15
49 GO TO 96
52 NO=19
53 GO TO 96
56 NO=22
57 GO TO 96
60 NO=30
61 GO TO 96
70 IF KO=3 THEN 368
71 END
80 FIND 3
81 SAVE
82 PRINT 'Saved on 3'
83 END
88 NO=A
89 IF KO=3 THEN 96
90 NO=C
91 IF KO=4 THEN 96
92 NO=B
93 IF KO=5 THEN 96
94 PRINT 'Error: KO=',KO
95 END
96 FIND NO
97 OLD
98 RUN
99 END
100 DIM Z$(26),K$(316)
102 Y=80
104 I=5
```

283

```
108 T$='C R I S I S   M A N A G E M E N T   E X E C U T I V E   A I D'
110 GOSUB 168
112 Y=Y-2*D
114 T$='Developed By'
116 GOSUB 168
118 Y=Y-D
120 T$='CACI, Inc.-Federal'
122 GOSUB 168
124 Y=Y-2*D
126 T$='For'
128 GOSUB 168
130 Y=Y-D
132 T$='DARPA'S Cybernetics Technology Office'
134 GOSUB 168
136 Y=Y-D*2
138 T$='Under Contract No. N00014-77-C-0135'
140 GOSUB 168
142 T$='U.S. Aid'
144 Y=Y-4*D
146 GOSUB 168
148 MOVE 4.5,4.5
150 PRINT @32,20:4.5,98,128,98,128,4.5,4.5,4.5
152 MOVE 3,3
154 PRINT @32,20:3,99.5,129.5,99.5,129.5,3,3,3
156 FOR L=1 TO 60
158 X=SQR(9999)
160 NEXT L
162 K0=0
164 GO TO 178
166 REM***Subroutine to center and print line***
168 L=LEN(T$)
170 X=(130-L*1.81)/2
172 MOVE X,Y
174 PRINT T$
176 RETURN
178 Z$='Press CONTINUE (Key No. 6)'
180 PAGE
182 MOVE 30,95
184 PRINT 'CRISIS MANAGEMENT EXECUTIVE AID'
186 MOVE 20,84
188 PRINT 'This aid consists of three data sets:'
190 MOVE 32,69
192 PRINT 'o 315 U.S. Crises (1946-1976)'
194 MOVE 32,63
196 PRINT 'o 386 Soviet Crises (1946-1975)'
198 MOVE 32,57
200 PRINT 'o 386 Chinese Crises (1949-1978)'
202 MOVE 20,49
204 PRINT 'and retrieval programs that allow you to examine them.'
206 MOVE 20,40
208 PRINT 'You will control program operations by the Program Keys'
210 MOVE 20,37
212 PRINT '(upper left keyboard) and by responding to questions'
214 MOVE 20,34
216 PRINT 'posed by the program.'
218 MOVE 20,3
220 PRINT Z$
222 K0=2
224 END
226 PAGE
228 MOVE 15,85
230 PRINT 'For this purpose, a CRISIS is defined as:'
232 MOVE 12,82
234 PRINT @32,20:107,82,107,76,12,76,12,82
236 MOVE 15,78
238 PRINT 'A period of unusual military management activity.'
240 MOVE 15,64
242 PRINT 'Two procedures are available to you:'
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244 MOVE 25,54
246 PRINT '(1) Selection of Crises';
248 PRINT @32,20:32,54
250 MOVE 32,49
252 PRINT 'By identification no.'
254 MOVE 32,46
256 PRINT 'By key-word search of the titles'
258 MOVE 32,43
260 PRINT 'By search for selected charactistics'
262 MOVE 25,34
264 PRINT '(2) Examination of Selected Crises';
266 PRINT @32,20:32,34
268 MOVE 32,29
270 PRINT 'o By printing the Titles'
272 MOVE 32,26
274 PRINT 'o              Descriptors'
276 MOVE 32,23
278 PRINT 'o              Actions'
280 MOVE 32,20
282 PRINT 'o              Objectives'
284 MOVE 32,17
286 PRINT 'o              Problems'
288 MOVE 32,14
290 PRINT 'o              Outcomes'
292 MOVE 10,5
294 PRINT Z$
296 KO=1
298 END
300 PAGE
302 MOVE 20,90
304 PRINT 'You are in the U.S. Section.';
306 PRINT @32,20:20,90
308 MOVE 20,80
310 PRINT 'o For general information, press HELP.'
312 MOVE 20,74
314 PRINT 'o For information about the individual data files and'
316 MOVE 20,70
318 PRINT '  and programs, press the desired Program Key.'
320 MOVE 20,63
322 PRINT 'o To proceed directly to crisis selection, press CONTINUE.'
324 MOVE 20,55
326 PRINT 'Summary of Program Keys'
328 MOVE 30,49
330 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
332 MOVE 30,45
334 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
336 MOVE 30,41
338 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
340 MOVE 30,37
342 PRINT 'o No. 4 - MANAGEMENT PROBLEMS (Information)'
344 MOVE 30,33
346 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
348 MOVE 30,29
350 PRINT 'o No. 6 - CONTINUE (To crisis selection)'
352 MOVE 30,25
354 PRINT 'o No. 8 - ACTIONS/OBJECTIVES (Historical relationship)'
356 MOVE 30,21
358 PRINT 'o No.10 - HELP (For general information)'
360 MOVE 30,5
362 PRINT 'Press Selected Program Key'
364 KO=3
366 END
368 PAGE
370 MOVE 20,90
372 PRINT 'Use previously selected crisis set ? (Y or N) ';
374 INPUT A$
376 IF A$='N' THEN 416
378 MOVE 15,90
```

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382 PRINT 'Key.'
384 KO=4
386 MOVE 20,60
388 PRINT 'Summary of Keys :
390 MOVE 30,50
392 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
394 MOVE 30,45
396 PRINT 'o No. 2 - U.S. ACTIONS'
398 MOVE 30,40
400 PRINT 'o No. 3 - U.S. OBJECTIVES'
402 MOVE 30,35
404 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
406 MOVE 30,30
408 PRINT 'o No. 5 - CRISIS OUTCOMES'
410 MOVE 30,5
412 PRINT 'Press Selected Program Key'
414 END
416 MOVE 20,80
418 PRINT 'Crisis Selection - By Id. no. ? (Y. or N) ';
420 INPUT A$
422 IF A$='Y' THEN 466
424 MOVE 20,75
426 PRINT '                    By Key-Word Search ? (Y or N) ';
428 INPUT A$
430 IF A$='N' THEN 436
432 NO=26
434 GO TO 89
436 MOVE 20,70
438 PRINT '                    By Selected Characteristics ?(Y or N) ';
440 INPUT A$
442 IF A$='n' THEN 450
444 KO=5
446 MOVE 15,60
448 GO TO 386
450 MOVE 15,60
452 PRINT 'You must choose one of these ways of crisis selection.'
454 FOR K=1 TO 40
456 B=SQR(9999)
458 NEXT K
460 GO TO 368
462 KO=4
464 END
466 PAGE
468 K$=''
470 FOR K=1 TO 315
472 K$=REP('0',K,0)
474 NEXT K
476 MOVE 20,90
478 PRINT 'Selection by Crisis Id. No. (See Crisis list in'
480 MOVE 20,85
482 PRINT 'User's Manual.)'
484 MOVE 20,80
486 Q$='Enter Id. No. '
488 P$='(1-315); End by entering 0.'
490 W$=Q$&P$
492 PRINT W$
494 INPUT A$
496 IF A$='0' THEN 504
498 N=VAL(A$)
500 K$=REP('1',N,1)
502 GO TO 494
504 FIND 18
506 WRITE @33:K$
508 PAGE
510 MOVE 40,95
512 PRINT 'Selection finished.'
514 GO TO 378
516 END
```

```
1 GO TO 100
4 NO=5
5 GO TO 90
8 NO=6
9 GO TO 90
12 NO=7
13 GO TO 90
16 NO=8
17 GO TO 90
20 NO=11
21 GO TO 90
24 IF KO=1 THEN 128
25 IF KO=2 THEN 147
26 IF KO=3 THEN 188
27 IF KO>3 THEN 70
28 GO TO 203
29 GO TO 90
32 NO=9
33 GO TO 90
36 NO=10
37 GO TO 90
40 NO=3
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 NO=3
71 GO TO 90
80 FIND 4
81 SAVE
82 PRINT 'Saved on 4'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(26)
101 Z1=6
102 Z$='Press CONTINUE (Key No. 6)'
103 PAGE
104 MOVE 30,90
105 PRINT 'GENERAL INFORMATION'
106 MOVE 0,80
107 PRINT 'This Crisis Management Aid consists of three cassettes :'
108 PRINT
109 PRINT '                o The U.S. Section   (315 crises 1946-1976)'
110 PRINT '                o The Soviet Section (386 crises 1946-1975)'
111 PRINT '                o The PRC Section    (386 crises 1949-1978)'
112 PRINT
113 MOVE 10,60
114 PRINT 'You are currently using the U.S. cassette; all crises you w';
115 PRINT 'ill'
116 MOVE 10,55
117 PRINT 'examine involved the United States.'
118 MOVE 10,45
119 PRINT 'Each section consists of the set of programs listed in the'
120 MOVE 10,40
121 PRINT 'INTRODUCTION.'
122 MOVE 10,32
123 PRINT 'o To return to the INTRODUCTION, press HELP (Key No.10).'
124 MOVE 10,22
125 PRINT 'o For additional information, press CONTINUE (Key No. 6)'
```

287

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126 KO=1
127 END
128 PAGE
129 MOVE 10,90
130 PRINT 'You will control prosram operations by :'
131 MOVE 25,80
132 PRINT 'o Usins the set of Prosram-Defined Keys'
133 MOVE 28,75
134 PRINT '(Upper left keyboard), and'
135 MOVE 25,65
136 PRINT 'o Answerins the prosram's requests for information'
137 MOVE 28,60
138 PRINT 'by typins your responses at the keyboard.'
139 MOVE 5,50
140 PRINT '(NOTE: The RETURN Key is pressed after each keyboard entry.'
141 MOVE 5,47
142 PRINT '          It is not used with the Prosram-Defined Keys.)'
143 MOVE 10,5
144 PRINT Z$
145 KO=2
146 END
147 PAGE
148 MOVE 0,95
149 PRINT 'To correct errors:'
150 PRINT
151 PRINT '        Keyboard entries- '
152 PRINT
153 PRINT '                  BEFORE pressins RETURN :'
154 PRINT '                  -----------------------'
155 PRINT '                        RUB/OUT will remove sinsle characters;'
156 PRINT '                        CLEAR will delete the entire entry.'
157 PRINT
158 PRINT '                  AFTER  pressins RETURN :'
159 PRINT '                  -----------------------'
160 PRINT '                        BREAK will halt prosram execution.'
161 PRINT
162 PRINT '                        Prosram Key No. 7 will rerun the'
163 PRINT '                        current prosram.'
164 PRINT
165 PRINT '                        CONTINUE (Key No. 6) may take you'
166 PRINT '                        back to the INTRODUCTION.'
167 GIN X,Y
168 MOVE 0,Y-6
169 PRINT '        Prosram-Defined keys-'
170 PRINT
171 PRINT '                        Recovery depends on which key was pre';
172 PRINT 'ssed'
173 PRINT '                        and at what stase of the prosram.'
174 PRINT '                        You may try the BREAK/Key No. 6 com';
175 PRINT 'bination'
176 PRINT '                        (See above.)'
177 PRINT '                        If this does not produce what you wan';
178 PRINT 't,'
179 PRINT '                        typins the commands FIND 3 (RETURN)'
180 PRINT '                                            OLD    (RETURN)'
181 PRINT '                                            RUN    (RETURN)'
182 PRINT '                        will always take you back to the';
183 PRINT ' INTRODUCTION'
184 MOVE 20,5
185 PRINT Z$
186 KO=3
187 END
188 PAGE
189 MOVE 20,70
190 PRINT 'You are now executins the HELP prosram; pressins HELP'
191 MOVE 20,65
192 PRINT 'at this point will take you back to the INTRODUCTION.'
193 MOVE 20,55
194 PRINT '...
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195 MOVE 20,60
196 PRINT 'Prosram-Defined Key.'
197 MOVE 20,40
198 PRINT 'If the keys are not marked for you, press Key No. 7 to'
199 MOVE 20,35
200 PRINT 'list the definitions of the keys.'
201 KO=4
202 END
203 PAGE
204 MOVE 20,90
205 PRINT 'The Prosram Defined Keys are:'
206 MOVE 25,30
207 PRINT 'o No. 7 - REPEAT (This list of keys.)'
208 MOVE 25,74
209 PRINT 'o No.10 - HELP (To the INTRODUCTION).'
210 MOVE 15,62
211 PRINT 'The following keys will produce explanations of the data f';
212 PRINT 'iles :'
213 MOVE 25,56
214 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
215 MOVE 25,50
216 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
217 MOVE 25,44
218 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
219 MOVE 25,38
220 PRINT 'o No. 4 - PROBLEMS (Information)'
221 MOVE 25,32
222 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
223 MOVE 25,26
224 PRINT 'o No. 8 - ACTIONS/OBJECTIVES (Information)'
227 MOVE 10,5
228 PRINT 'Press Prosram Key.'
229 END
```

```
1 GO TO 100
4 GO TO 100
8 NO=6
9 GO TO 90
12 NO=7
13 GO TO 90
16 NO=8
17 GO TO 90
20 NO=11
21 GO TO 90
24 IF KO=1 THEN 133
25 IF KO=2 THEN 168
26 IF KO=3 THEN 203
27 IF KO>3 THEN 70
28 GO TO 100
32 NO=9
33 GO TO 90
36 NO=10
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 236
71 NO=3
72 GO TO 90
80 FIND 5
81 SAVE
82 PRINT 'Saved on 5'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(28)
101 Z$='Press CONTINUE (Key No. 6)'
102 PAGE
103 MOVE 40,90
104 PRINT 'The DESCRIPTORS Data File'
105 MOVE 15,80
106 PRINT 'The twenty descriptors coded for each crisis will be listed'
107 MOVE 15,75
108 PRINT 'with their allowed levels.'
109 MOVE 0,65
110 PRINT ' 1. PRE-CRISIS ACTIVITY'
111 PRINT
112 PRINT '     1 = Routine-not focused on ensuing or related events'
113 PRINT '     2 = Tense-gradual escalation of focused activity'
114 PRINT '     3 = Increased Readiness-activities focused on crisis'
115 PRINT
116 PRINT ' 2. DURATION OF PRE-CRISIS ACTIVITY'
117 PRINT '     1 = None; crisis occurs without warning'
118 PRINT '     2 = Short (<30 days)'
119 PRINT '     3 = Extended (>30 days)'
120 PRINT
121 PRINT ' 3. CRISIS ACTIVITY'
122 PRINT '     1 = Internal or domestic'
123 PRINT '     2 = International'
124 PRINT
125 PRINT ' 4. NATURE OF THE CRISIS'
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127 PRINT '    2 = Military'
128 PRINT '    3 = Both'
129 MOVE 20,5
130 KO=1
131 PRINT Z$
132 END
133 PAGE
134 PRINT ' 5. DURATION OF THE CRISIS ACTIVITY'
135 PRINT '    1 = Short (<7 days)'
136 PRINT '    2 = Moderate (7-30 days)'
137 PRINT '    3 = Extended (>30 days)'
138 PRINT
139 PRINT ' 6. CRISIS RESOLUTION'
140 PRINT '    1 = Quick (within 7 days after peak)'
141 PRINT '    2 = Moderate (within 30 days after peak)'
142 PRINT '    3 = Extended (over 30 days)'
143 PRINT
144 PRINT ' 7. CRISIS OUTCOME'
145 PRINT '    1 = Positive (U.S. objectives and interests advanced)'
146 PRINT '    2 = No Change'
147 PRINT '    3 = Negative (U.S. objectives and interests damaged;'
148 PRINT '                    U.S. influence lessened)'
149 PRINT
150 PRINT ' 8. AWARENESS OF CRISIS POSSIBILITY'
151 PRINT '    1 = Anticipated on basis of indications monitoring'
152 PRINT '    2 = Uncertain-abnormal activity seen; meaning not clear'
153 PRINT '    3 = Surprise-no forewarning of crisis'
154 PRINT
155 PRINT ' 9. THREAT TO U.S. INTERESTS'
156 PRINT '    1 = Low-no significant threat to U.S. interests,security'
157 PRINT '    2 = Moderate-some threat to U.S. interests,personnel,'
158 PRINT '                    facilities or relations'
159 PRINT '    3 = High-severe threat to U.S. interests'
160 PRINT
161 PRINT '10. THREAT TIMING'
162 PRINT '    1 = Rapid (<7 days)'
163 PRINT '    2 = Extended (>7 days)'
164 MOVE 20,5
165 PRINT Z$
166 KO=2
167 END
168 PAGE
169 PRINT '11. DECISION TIME'
170 PRINT '    1 = Short-rapid response required'
171 PRINT '    2 = Extended-attention demanded but not quick response'
172 PRINT
173 PRINT '12. DIRECT-TWO OR MORE LARGE POWERS'
174 PRINT '    0 = Not Applicable'
175 PRINT '    1 = U.S. involved'
176 PRINT '    2 = U.S. not involved'
177 PRINT
178 PRINT '13. DIRECT-TWO OR MORE, ONE A LARGE NON-U.S. POWER'
179 PRINT '    0 = Not Applicable'
180 PRINT '    1 = One party vital to U.S. interests'
181 PRINT '    2 = No participant vital to U.S. interests'
182 PRINT
183 PRINT '14. U.S. AND ONE OR MORE SMALL POWERS'
184 PRINT '    0 = Not Applicable'
185 PRINT '    1 = Another large power has vital interests'
186 PRINT '    2 = No large power has vital interests'
187 PRINT
188 PRINT '15. TWO OR MORE SMALL POWERS'
189 PRINT '    0 = Not Applicable'
190 PRINT '    1 = One party vital to U.S. interests'
191 PRINT '    2 = No participant vital to U.S. interests'
192 PRINT
193 PRINT '16. INTERNAL CRISIS OR CIVIL WAR'
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195 PRINT '    1 = Occurs in a country vital to U.S. interests'
196 PRI '    2 = Occurs in a country where U.S. has no vital interests'
197 PRINT '    3 = Occurs in U.S.'
198 PRINT
199 MOVE 20,5
200 PRINT Z$
201 KO=3
202 END
203 PAGE
204 PRINT '17. JOINT CHIEFS OF STAFF REGIONS'
205 PRINT '    1 = North America'
206 PRINT '    2 = Central and South America'
207 PRINT '    3 = Western Europe, Mediterranean, Atlantic'
208 PRINT '    4 = Eastern Europe and Soviet Union'
209 PRINT '    5 = Middle East and North Africa'
210 PRINT '    6 = South Asia, Indian Ocean, and Sub-Saharan Africa'
211 PRINT '    7 = Pacific and East Asia'
212 PRINT '    8 = Polar Regions (Arctic and Antarctic)'
213 PRINT '    9 = Space'
214 PRINT '    0 = Multiple, the World'
215 PRINT
216 PRINT '18. U.S. RESPONSE,PARTICIPATION'
217 PRINT '    1 = Non-involvment'
218 PRINT '    2 = Mediation'
219 PRINT '    3 = Providing assistance (military or political)'
220 PRINT '    4 = Direct (U.S. personnel beyond advisor level';
221 PRINT ' involved)'
222 PRINT '    5 = Direct confrontation with another nation'
223 PRINT
224 PRINT '19. U.S. OBJECTIVES IN CRISIS RESOLUTION'
225 PRINT '    1 = None'
226 PRINT '    2 = Maintain/restore status quo ante'
227 PRINT '    3 = Change previous status'
228 PRINT
229 PRINT '20. STRATEGIC IMPLICATIONS'
230 PRINT '    1 = Non-nuclear'
231 PRINT '    2 = Nuclear'
232 MOVE 20,5
233 PRINT Z$
234 KO=4
235 END
236 PAGE
237 MOVE 20,80
238 PRINT 'Summary of Program Keys'
239 MOVE 30,70
240 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Print for selected crises)'
241 MOVE 30,65
242 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
243 MOVE 30,60
244 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
245 MOVE 30,55
246 PRINT 'o No. 4 - PROBLEMS (Information)'
247 MOVE 30,50
248 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
249 MOVE 30,45
250 PRINT 'o No. 6 - CONTINUE (Return to the INTRODUCTION)'
251 MOVE 30,40
252 PRINT 'o No.10 - HELP (For general information)'
253 MOVE 20,5
254 PRINT 'Press Program Key'
255 KO=5
256 END
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```
1 GO TO 100
4 NO=5
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=7
13 GO TO 90
16 NO=8
17 GO TO 90
20 NO=11
21 GO TO 90
24 IF KO=1 THEN 141
25 IF KO=2 THEN 178
26 IF KO=3 THEN 212
27 IF KO>3 THEN 70
28 GO TO 100
32 NO=9
33 GO TO 90
36 NO=10
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
46 PRINT 'Saved on 6'
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 236
71 IF KO=5 THEN 73
72 END
73 NO=3
74 GO TO 90
80 FIND 6
81 SAVE
82 PRINT 'Saved on 6'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM Z$(26)
101 Z$='Press CONTINUE (Key No. 6)'
102 PAGE
103 MOVE 10,100
104 PRINT 'Fifty-six types of U.S. ACTIONS were coded for a set'
105 MOVE 10,97
106 PRINT 'of 101 crises (1956-1976) selected from the 315 crises.'
107 MOVE 0,90
108 PRINT ' 1. Land Forces Committed to Combat'
109 PRINT
110 PRINT ' 2. Naval Forces Committed to Combat'
111 PRINT
112 PRINT ' 3. Air Forces Committed to Combat'
113 PRINT
114 PRINT ' 4. Land Support Services Committed'
115 PRINT
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293

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117 PRINT
118 PRINT ' 6. Air Support Services Committed'                    6 - 2
119 PRINT
120 PRINT ' 7. Land Forces Repositioned'
121 PRINT
122 PRINT ' 8. Naval Forces Repositioned'
123 PRINT
124 PRINT ' 9. Air Forces Repositioned'
125 PRINT
126 PRINT '10. Use of Nuclear Forces Threatened'
127 PRINT
128 PRINT '11. Nuclear Forces Redeployed'
129 PRINT
130 PRINT '12. Alert Status of Nuclear Forces Changed'
131 PRINT
132 PRINT '13. Use of Nonnuclear Forces Threatened'
133 PRINT
134 PRINT '14. Nonnuclear Forces Redeployed'
135 PRINT
136 PRINT '15. Alert Status of Nonnuclear Forces Changed'
137 MOVE 20,5
138 PRINT Z$
139 K0=1
140 END
141 PAGE
142 PRINT '16. Peacekeeping Forces Redeployed'
143 PRINT
144 PRINT '17. Show of Military Force'
145 PRINT
146 PRINT '18. Military Blockade or Quarantine'
147 PRINT
148 PRINT '19. Isolated Military Contact'
149 PRINT
150 PRINT '20. Military Search and Rescue Operation'
151 PRINT
152 PRINT '21. Collection of Military Intelligence'
153 PRINT
154 PRINT '22. Military Intelligence Given to an Ally'
155 PRINT
156 PRINT '23. Military Intelligence Given to an Antagonist'
157 PRINT
158 PRINT '24. Military Maneuvers or Training Exercises'
159 PRINT
160 PRINT '25. Force Readiness Improved or Maintained'
161 PRINT
162 PRINT '26. Covert Military Operations'
163 PRINT
164 PRINT '27. Military Intervention between Combatants'
165 PRINT
166 PRINT '28. Airlift: Personnel, Supplies, Equipment'
167 PRINT
168 PRINT '29. Military Advisory Assistance Provided'
169 PRINT
170 PRINT '30. Military Training Provided for Combat Troops'
171 PRINT
172 PRINT '31. Non-Combat Military Training Provided'
173 PRINT
174 MOVE 20,5
175 PRINT Z$
176 K0=2
177 END
178 PAGE
179 PRINT '32. Military Equipment Drawndown from U.S. Units'
180 PRINT
181 PRINT '33. Supplies Provided from U.S. Depots'
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183 PRINT '34. Supplies Provided from Non-Military Sources'          6 - 3
184 PRINT
185 PRINT '35. Military Maintenance Assistance Provided'
186 PRINT
187 PRINT '36. Military Logistics Assistance Provided'
188 PRINT
189 PRINT '37. Unspecified Military Assistance Provided'
190 PRINT
191 PRINT '38. Commitment Made to New Military Mission'
192 PRINT
193 PRINT '39. New Military Mission Undertaken'
194 PRINT
195 PRINT '40. New Military Cost Accepted'
196 PRINT
197 PRINT '41. Existing Defense Treaty Modified'
198 PRINT
199 PRINT '42. Existing Base Rights Treaty Modified'
200 PRINT
201 PRINT '43. Existing Status of Forces Treaty Modified'
202 PRINT
203 PRINT '44. Allies Consulted; Assistance in Decisions Sought'
204 PRINT
205 PRINT '45. No Military Action'
206 PRINT
207 PRINT '46. Diplomatic Channels Employed'
208 MOVE 20,5
209 PRINT Z$
210 K0=3
211 END
212 PAGE
213 PRINT '47. Mediation Attempted'
214 PRINT
215 PRINT '48. Support Withdrawn or Withdrawal Threatened'
216 PRINT
217 PRINT '49. Peacekeeping Efforts Advocated/Supported'
218 PRINT
219 PRINT '50. Efforts to Improve Scientific, Technical Capabilities'
220 PRINT
221 PRINT '51. Existing Political, Military Commitments Reaffirmed'
222 PRINT
223 PRINT '52. Protests Lodged'
224 PRINT
225 PRINT '53. Action by U.S. Alone'
226 PRINT
227 PRINT '54. Action with One Other Nation'
228 PRINT
229 PRINT '55. Action with Two or More Allies'
230 PRINT
231 PRINT '56. The United Nations Involved'
232 MOVE 20,5
233 PRINT 'End of U. S. ACTIONS; Press CONTINUE (Key No. 5)'
234 K0=4
235 END
236 PAGE
237 MOVE 20,80
238 PRINT 'Summary of Program Keys'
239 MOVE 30,70
240 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
241 MOVE 30,65
242 PRINT 'o No. 2 - U.S. ACTIONS (Print for selected cases)'
243 MOVE 30,60
244 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
245 MOVE 30,55
246 PRINT 'o No. 4 - PROBLEMS (Information)'
247 MOVE 30,50
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249 MOVE 30,45
250 PRINT 'o No. 6 - CONTINUE (Return to the INTRODUCTION)'          6 - 4
251 MOVE 30,40
252 PRINT 'o No.10 - HELP (For general information)'
253 MOVE 20,5
254 PRINT 'Press Program Key'
255 K0=5
256 END
```

```
1 GO TO 100
4 NO=5
5 GO TO 90
8 NO=6
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=8
17 GO TO 90
20 NO=11
21 GO TO 90
24 IF KO=1 THEN 141
25 IF KO=2 THEN 179
26 IF KO=3 THEN 215
27 IF KO>3 THEN 70
28 GO TO 100
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 215
80 FIND 7
81 SAVE
83 PRINT 'Saved on 7'
87 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Z$(26)
101 Z$='Press CONTINUE (Key No. 6)'
102 PAGE
103 MOVE 15,100
104 PRINT 'Forty-eight types of OBJECTIVES were coded for'
105 MOVE 15,97
106 PRINT '101 crises (1956-1976) selected from the 315 crises.'
107 MOVE 0,90
108 PRINT ' 1. To Deter Imminent Attack'
109 PRINT
110 PRINT ' 2. To Improve or Rectify Deterrence Posture'
111 PRINT
112 PRINT ' 3. To Put Down a Rebellion'
113 PRINT
114 PRINT ' 4. To Restore a Regime'
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116 PRINT ' 5. To Regain Access to Economic Resources'
117 PRINT
118 PRINT ' 6. To Restore Peace'
119 PRINT
120 PRINT ' 7. To Restore Territorial Integrity'
121 PRINT
122 PRINT ' 8. To Restore Military Balance of Power'
123 PRINT
124 PRINT ' 9. To Restore Readiness'
125 PRINT
126 PRINT '10. To Preserve Readiness'
127 PRINT
128 PRINT '11. To Preserve Peace'
129 PRINT
130 PRINT '12. To Confirm or Re-Establish Prestige'
131 PRINT
132 PRINT '13. To Preserve Territory and/or Facilities'
133 PRINT
134 PRINT '14. To Preserve Regime from External Threat'
135 PRINT
136 PRINT '15. To Preserve Regime from Internal Threat'
137 MOVE 20,3
138 PRINT Z$
139 K0=1
140 END
141 PAGE
142 PRINT '16. To Preserve, Restore, or Improve Alliance'
143 PRINT
144 PRINT '17. To Protect Legal and Political Rights'
145 PRINT
146 PRINT '18. To Induce Maintenence of Current Policy'
147 PRINT
148 PRINT '19. To Dissuade from a New Policy'
149 PRINT
150 PRINT '20. To Protect a Military Asset'
151 PRINT
152 PRINT '21. To Support a New Government'
153 PRINT
154 PRINT '22. To Induce National Reorientation'
155 PRINT
156 PRINT '23. To Induce Adoption of a New Policy'
157 PRINT
158 PRINT '24. To Bring about the Fall of a Regime'
159 PRINT
160 PRINT '25. To Support Insurgency'
161 PRINT
162 PRINT '26. To Deny Political Access'
163 PRINT
164 PRINT '27. To Deny Military Access'
165 PRINT
166 PRINT '28. To Assure Continued Economic Access'
167 PRINT
168 PRINT '29. To Preserve, or Regain, Control of the Sea'
169 PRINT
170 PRINT '30. To Preserve, or Regain, Control of the Air'
171 PRINT
172 PRINT '31. To Deny Success to Terrorists or Hijackers'
173 PRINT
174 PRINT '32. To Protect Human Life'
175 MOVE 20,3
176 PRINT Z$
177 K0=2
178 END
179 PAGE
180 PRINT '33. To Provide Sanctuary or Asylum'
```

```
182 PRINT '34. To Support Critical Negotiations'
183 PRINT
184 PRINT '35. To Discover Intentions or Actions'
185 PRINT
186 PRINT '36. To Prepare for Alternative Missions'
187 PRINT
188 PRINT '37. To Support Efforts by the United Nations'
189 PRINT
190 PRINT '38. To Contain Opponents'
191 PRINT
192 PRINT '39. To Prevent Spread of War'
193 PRINT
194 PRINT '40. To Preserve Lines of Communication'
195 PRINT
196 PRINT '41. To Regain Technical Advantage'
197 PRINT
198 PRINT '42. To Restore Prestige'
199 PRINT
200 PRINT '43. To Preserve Balance of Power'
201 PRINT
202 PRINT '44. To Prevent Spread of Communist Influence'
203 PRINT
204 PRINT '45. To Prevent Nuclear Proliferation'
205 PRINT
206 PRINT '46. To Insure Self-Sufficiency'
207 PRINT
208 PRINT '47. To Avoid Direct Involvement'
209 PRINT
210 PRINT '48. To Preserve Secrecy'
211 MOVE 20,5
212 PRINT 'End of U.S. Objectives; Press CONTINUE (Key No. 6)'
213 KO=3
214 END
215 PAGE
216 MOVE 20,70
217 PRINT 'Summary of Program Keys'
218 MOVE 30,60
219 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
220 MOVE 30,55
221 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
222 MOVE 30,50
223 PRINT 'o No. 3 - U.S. OBJECTIVES (Print for selected crises)'
224 MOVE 30,45
225 PRINT 'o No. 4 - PROBLEMS (Information)'
226 MOVE 30,40
227 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
228 MOVE 30,35
229 PRINT 'o No. 6 - CONTINUE (To return to the INTRODUCTION)'
230 MOVE 30,30
231 PRINT 'o No.10 - HELP (For general information)'
232 MOVE 30,5
233 PRINT 'Press Program Key'
234 KO=5
235 END
```

```
  1 GO TO 100
  4 NO=5
 .5 GO TO 90
  8 NO=6
  9 GO TO 90
 12 NO=7
 13 GO TO 90
 16 NO=24
 17 GO TO 90
 20 NO=11
 21 GO TO 90
 24 IF KO=1 THEN 141
 25 IF KO=2 THEN 163
 26 IF KO=3 THEN 189
 27 IF KO>3 THEN 70
 28 GO TO 100
 32 NO=27
 33 GO TO 90
 36 NO=29
 37 GO TO 90
 40 NO=4
 41 GO TO 90
 44 NO=12
.45 GO TO 90
 48 NO=15
 49 GO TO 90
 52 NO=19
 53 GO TO 90
 56 NO=22
 57 GO TO 90
 60 NO=30
 61 GO TO 90
 70 IF KO=4 THEN 216
 71 IF KO=5 THEN 244
 72 IF KO=6 THEN 271
 73 IF KO=7 THEN 294
 74 IF KO=8 THEN 312
 80 FIND 8
 81 SAVE
 82 PRINT 'Saved on 8'
 83 END
 90 FIND NO
 91 OLD
 92 RUN
 93 END
100 DIM Z$(26),Y$(60)
101 DATA '***********************************************************'
102 READ Y$
103 SET KEY
104 Z$='Press CONTINUE (Key No. 6)'
105 PAGE
106 MOVE 10,100
107 PRINT 'Seventy-nine possible problems were coded for a set of 101 ';
108 PRINT 'crises.'
109 MOVE 0,98
110 F$='SYSTEM-RELATED DELAYS IN DECISION-MAKING/ACTION'
111 GOSUB 334
112 PRINT ' 1. Delayed Decision on Action'
113 PRINT
114 PRINT ' 2. Delayed Transmission of Decisions/Orders'
115 PRINT
116 PRINT ' 3. Inter-agency Coordination Required'
117 PRINT
118 PRINT ' 4. Concurrence(s) Legally Required for Proposed Action'
```

```
120 PRINT ' 5. Referral to Intern'l Agencies (UN,NATO,OAS)'
121 PRINT
122 PRINT ' 6. President Involved as Decision-Maker'
123 F$='SYSTEM/PROCEDURAL CONSTRAINTS ON ACTIONS'
124 GOSUB 334
125 PRINT ' 7. Security/Sensivity Issues'
126 PRINT
127 PRINT ' 8. Misperception of Constraints'
128 PRINT
129 PRINT ' 9. Constraints on Military Action'
130 PRINT
131 PRINT '10. U. S. Domestic Impact'
132 PRINT
133 PRINT '11. International Relations'
134 PRINT
135 PRINT '12. Proposed Action Produces Domestic Policy Conflict'
136 PRINT
137 PRINT '13. Proposed Action Produces Foreign Policy Conflict'
138 KO=1
139 GOSUB 343
140 END
141 PAGE
142 F$='LEGAL ISSUES INVOLVED'
143 GOSUB 334
144 PRINT '14. Legality of Proposed Action Is Issue'
145 PRINT
146 PRINT '15. Presidential Approval Legally Required'
147 F$='RESOURCES INADEQUATE FOR DECISION-MAKING'
148 GOSUB 334
149 PRINT '16. Inadequate Communication Facilities'
150 PRINT
151 PRINT '17. Inability to Reinforce Local Units in Time'
152 PRINT
153 PRINT '18. Inability to Provide Additional Logistical Support'
154 F$='INTELLIGENCE FAILURES AT DECISION-MAKING LEVEL'
155 GOSUB 334
156 PRINT '19. Inadequate Intelligence Input for Decision'
157 PRINT
158 PRINT '20. Delay in Securing Adequate Facts'
159 PRINT
160 PRINT '21. Failure to Recognize Import of Information'
161 KO=2
162 GOSUB 343
163 PAGE
164 F$='EMOTIONAL/IDEOLOGICAL ISSUES INVOLVED IN DECISION-MAKING'
165 GOSUB 334
166 PRINT '22. Crisis Actions Affected by Ideological Issues'
167 PRINT
168 PRINT '23. Crisis Actions Affected by Emotional Issues'
169 F$='INTERPERSONAL FACTORS IN DECISION-MAKING'
170 GOSUB 334
171 PRINT '24. Multi-Lingual Problems'
172 PRINT
173 PRINT '25. Press Relations/Public Information Significant'
174 PRINT
175 PRINT '26. Delay in Contacting Proper Individuals'
176 PRINT
177 PRINT '27. Distracted Attention due to Multiple Crises'
178 F$='PROLONGED CRISIS PROBLEMS'
179 GOSUB 334
180 PRINT '28. Boredom'
181 PRINT
182 PRINT '29. Fatigue'
183 PRINT
184 PRINT '30. Frustration'
```

301

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186 PRINT '31. Key Personnel Turnover'
187 KO=3
188 GOSUB 343
189 PAGE
190 F$='PROBLEMS IN SELECTING ACTION PERSONNEL'
191 GOSUB 334
192 PRINT '32. Choice of Commander and Staff'
193 PRINT
194 PRINT '33. Sudden Call-Up/Dispatch of Troops'
195 PRINT
196 PRINT '34. Intermediate Headquarters/Chain of Command'
197 PRINT
198 PRINT '35. No Clear Lines of Responsibility to a Single Commander'
199 PRINT
200 PRINT '36. Loss or Transfer of Key Personnel'
201 F$='CONSTRAINTS ON OPERATIONS'
202 GOSUB 334
203 PRINT '37. Joint Operation-Language'
204 PRINT
205 PRINT '38. Action in Friendly Country (Area)'
206 PRINT
207 PRINT '39. Action in Hostile Country (Area)'
208 PRINT
209 PRINT '40. Delay in Receipt of Decision/Orders'
·210 PRINT
211 PRINT '41. Public Relations/Press Censorship'
212 PRINT
213 PRINT '42. Inadequate Communications for Operating Forces'
214 KO=4
215 GOSUB 343
216 PAGE
217 F$='PHYSIOLOGICAL PROBLEMS FOR OPERATING FORCES'
218 GOSUB 334
219 PRINT '43. Fatigue'
220 PRINT
221 PRINT '44. Lack of Activity-Boredom'
222 F$='INFORMATION FAILURES BY OPERATING FORCES'
223 GOSUB 334
224 PRINT '45. Fail to Acquire Adequate Information in Time'
225 PRINT
226 PRINT '46. Act on Inadequate/Incorrect Information'
227 PRINT
228 PRINT '47. Delay/Fail in Transmission of Information'
229 F$='FAILURES IN TAKING APPROPRIATE/TIMELY ACTION'
230 GOSUB 334
231 PRINT '48. Action Inadequate to Prevent Crisis'
232 PRINT
233 PRINT '49. Action Inadequate to Solve Crisis'
234 PRINT
235 PRINT '50. Forces Inadequate to Solve Crisis'
236 PRINT
237 PRINT '51. Fail to Execute Action in Time'
238 PRINT
239 PRINT '52. Inadequate Local Logistic Support'
240 PRINT
241 PRINT '53. Inadequate Control of Local Forces'
242 KO=5
243 GOSUB 343
244 PAGE
245 F$='STATUS OF FORCES PROBLEMS'
246 GOSUB 334
247 PRINT '54. Readiness of Forces'
248 PRINT
249 PRINT '55. Availability of Forces (Priority)'
250 PRINT
```

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252 PRINT
253 PRINT '57. Availability of Equipment'
254 PRINT
255 PRINT '58. Availability of Lift (Sea/Air)'
256 PRINT
257 PRINT '59. Replacement Requirem'ts in Deploying Units'
258 F$='PROBLEMS IN THE OPERATING ENVIRONMENT'
259 GOSUB 334
260 PRINT '60. Geography - Terrain - Climate'
261 PRINT
262 PRINT '61. Distance to Crisis Area'
263 PRINT
264 PRINT '62. Unique Logistics/Communications Requirements'
265 PRINT
266 PRINT '63. Need for Additional/Special Intelligence'
267 PRINT
268 PRINT '64. Security/ Sensivity a Factor'
269 KO=6
270 GOSUB 343
271 PAGE
272 F$='GENERAL PROBLEMS IN CRISIS PLANNING'
273 GOSUB 334
274 PRINT '65. No Appropriate Contingency Plans'
275 PRINT
276 PRINT '66. Inadequate Contingency Plans'
277 PRINT
278 PRINT '67. Contingency Plans Are Not Followed'
279 F$='GENERAL PROBLEMS IN CRISIS HANDLING'
280 GOSUB 334
281 PRINT '68. Situation Not Recognized Initially; No Timely Action'
282 PRINT
283 PRINT '69. Situation Recognized; Actions Inadequate'
284 PRINT
285 PRINT '70. Crisis Develops Despite Adequate Actions'
286 PRINT
287 PRINT '71. Over-Reaction to Crisis'
288 PRINT
289 PRINT '72. Late Military Involvement'
290 PRINT
291 PRINT '73. U.S. Military Involved at Onset'
292 KO=7
293 GOSUB 343
294 PAGE
295 F$='GENERAL PROBLEMS IN CRISIS TIMING'
296 GOSUB 334
297 PRINT '74. Situation Develops Over Time Before Crisis Level'
298 PRINT
299 PRINT '75. Situation Develops Over Time; Crisis Is Sudden'
300 PRINT
301 PRINT '76. Crisis Occurs Without Warning'
302 PRINT
303 PRINT '77. Sudden Crisis With Prolonged Action/Solution'
304 PRINT
305 PRINT '78. Prolonged Crisis With Intermittent Peaks'
306 PRINT
307 PRINT '79. Multi-Crises'
308 MOVE 20,3
309 PRINT 'End of Problems; Press CONTINUE (Key No. 6)'
310 KO=8
311 END
312 PAGE
313 MOVE 20,80
314 PRINT 'Summary of Program Keys'
315 MOVE 30,60
316 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Information)'
317 MOVE 30,55
```

```
318 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
319 MOVE 30,50
320 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
321 MOVE 30,45
322 PRINT 'o No. 4 - PROBLEMS (Print for selected crises)'
323 MOVE 30,40
324 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
325 MOVE 30,35
326 PRINT 'o No. 6 - CONTINUE (To the INTRODUCTION)'
327 MOVE 30,30
328 PRINT 'o No.10 - HELP (For general information)'
329 MOVE 20,5
330 PRINT 'Press Program Key'
331 K0=9
332 END
333 REM PRINT HEADING***
334 GIN X,Y
335 MOVE 0,Y-2
336 U$=SEG(Y$,1,LEN(F$))
337 PRINT U$
338 PRINT F$
339 PRINT U$
340 GIN X,Y
341 MOVE 0,Y-2
342 RETURN
343 REM NEW PAGE
344 MOVE 20,3
345 PRINT Z$
346 END
```

```
  1 GO TO 100
  4 NO=5
  5 GO TO 90
  8 NO=6
  9 GO TO 90
 12 NO=7
 13 GO TO 90
 16 NO=8
 17 GO TO 90
 20 NO=11
 21 GO TO 90
 24 NO=3
 25 GO TO 90
 28 GO TO 100
 32 NO=27
 33 GO TO 90
 36 NO=29
 37 GO TO 90
 40 NO=4
 41 GO TO 90
 44 NO=12
 45 GO TO 90
 48 NO=15
 49 GO TO 90
 52 NO=19
 53 GO TO 90
 56 NO=22
 57 GO TO 90
 60 NO=30
 61 GO TO 90
 80 FIND 9
 81 SAVE
 82 PRINT 'Saved on 9'
 83 END
 90 FIND NO
 91 OLD
 92 RUN
 93 END
100 DIM Z$(26)
101 SET KEY
102 Z$='Press CONTINUE (Key No. 6)'
103 PAGE
104 MOVE 15,100
105 PRINT 'HISTORICAL ASSOCIATION BETWEEN ACTIONS AND OBJECTIVES'
106 MOVE 12,90
107 PRI 'The historical relationsip between U.S. ACTIONS and OBJECTIVES'
108 MOVE 12,86
109 PRINT 'has been analyzed.  You may select an OBJECTIVE and list the'
110 MOVE 12,82
111 PRINT 'U.S. ACTIONS most frequently accompanying it.'
112 MOVE 12,70
113 PRINT 'The OBJECTIVES will be listed one at a time.  You may make'
114 MOVE 12,66
115 PRINT 'one of three responses :'
116 MOVE 25,56
117 PRINT 'Y - Yes. The ACTIONS most often associated with this'
118 MOVE 25,52
119 PRINT '        OBJECTIVE will be listed and their frequencies'
120 MOVE 25,48
121 PRINT '        plotted.'
122 MOVE 25,40
123 PRINT 'N - No. This OBJECTIVE will be skipped.'
124 MOVE 25,32
125 PRINT 'P - Proceed. Listing of the OBJECTIVES will be halted.'
126 MOVE 25,29
```

```
127 PRINT '    You may select another operation by pressing one'
128 MOVE 25,26
129 PRINT '    of the Program Keys.'
130 MOVE 12,15
131 PRINT 'For a list of the OBJECTIVES, press No. 3.'
132 MOVE 12,10
133 PRI 'To go directly to the ACTIONS/OBJECTIVES Program, press No. 8'
134 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 184
25 IF KO=2 THEN 264
26 IF KO=3 THEN 338
27 IF KO=4 THEN 382
28 GO TO 120
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 11
81 SAVE
82 PRINT 'Saved on 11'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 PAGE
102 PRINT 'Crisis Outcomes are defined by the effects on a list of';
104 PRINT 'goals.'
106 Z$='Press CONTINUE (Key No. 6)'
108 PRINT
110 PRINT 'The goals are :'
112 PRINT
114 PRINT ' 1. Support democratic countries'
116 PRINT
118 PRINT ' 2. Peace and peaceful resolution of conflicts'
120 PRINT
122 PRINT ' 3.  The welfare and human rights of all people'
124 PRINT
126 PRINT ' 4. Support of international law'
128 PRINT
130 PRINT ' 5. Ensure the dignity and prestige of the U.S.'
132 PRINT
134 PRINT ' 6. Capabilities to defend U.S. territorial integrity'
136 PRINT
138 PRINT ' 7. Capabilities to defend major industrial democracies'
140 PRINT
142 PRINT ' 8. Capabilities to defend strategically important LDC's'
144 PRINT
146 PRINT ' 9. Capabilities to defend U.S. oversea maritime interests'
148 PRINT
150 PRINT '10. Ability to intervene in overseas conflict arenas'
152 PRINT
154 PRINT '11. Protection of U.S. officials, citizens, and property'
156 PRINT
```

```
160 PRINT
162 PRINT '13. The stability of friends and allies'
164 PRINT
166 PRINT '14. Deter expansion of hostile military influence'
168 PRINT
170 PRINT '15. Orderly expansion of U.S. industrial and commercial';
172 PRINT ' interests'
174 MOVE 10,3
176 PRINT Z$
178 KO=1
180 END
182 PRINT
184 PAGE
186 PRINT '16. '
188 PRINT
190 PRINT '17. Stability of international commodities' prices and supp';
192 PRINT 'lies'
194 PRINT
196 PRINT '18. Economic development of non-Communist 3rd world nations'
198 PRINT
200 PRINT '19. Reduced chance of war with the PRC'
202 PRINT
204 PRINT '20. Reduced chance of war with the USSR'
206 PRINT
208 PRINT '21. Containment of Communist influence'
210 PRINT
212 PRINT '22. 'Polycentrism' in the Communist world'
214 PRINT
216 PRINT '23. Liberalization in Communist states'
218 PRINT
220 PRINT '24. Normalization between the U.S. and the Communist world'
222 PRINT
224 PRINT '25. The security and influence of the western world'
226 PRINT
228 PRINT '26. Strong cooperative ties with West European countries'
230 PRINT
232 PRI '27. Economic,military,and political intersation of West Europe'
234 PRINT
236 PRINT '28. Stabilization of conflict arenas in Europe'
238 PRINT
240 PRINT '29. Improved relations between the U.S. and Eastern Europe'
242 PRINT
244 PRINT '30. No direct military confrontation with the PRC and USSR';
246 PRINT ' in Asia'
248 PRINT
250 PRI '31. Containment of Communist aggression and influence in Asia'
252 PRINT
254 PRI '32. Security of Japan, Australia, New Zealand, S Korea, Taiwan'
256 MOVE 20,3
258 PRINT Z$
260 KO=2
262 END
264 PAGE
266 PRINT '33. Stability of non-Communist developing Asian countries'
268 PRINT
270 PRINT '35. Enhanced relations with Japan'
272 PRINT
274 PRINT '36. Economic development in Asian non-Communist LDC's'
276 PRINT
278 PRINT '37. End to Middle East conflict'
280 PRINT
282 PRINT '38. Israeli security'
284 PRINT
286 PRINT '39. Minimized Soviet influence in the Middle East'
288 PRINT
290 PRINT '40. Political stability in the Middle East'
```

```
292 PRINT
294 PRINT '41. Economic development of Middle Eastern countries'
296 PRINT
298 PRINT '42. U.S. access to Midle Eastern markets and raw materials'
300 PRINT
302 PRINT '43. Economic development of friendly Latin American states'
304 PRINT
306 PRINT '44. American economic presence in Latin America'
308 PRINT
310 PRINT '45.No external aggression or hostile influence in Latin Ame';
312 PRINT 'erica'
314 PRINT
316 PRINT '46. Democratic institutions in Latin America'
318 PRINT
320 PRINT '47. Political stability in Latin America'
322 PRINT
324 PRINT '48. Peaceful transition to independence of African countries'
326 PRINT
328 PRINT '49. Development of selected sub-Saharan countries'
330 MOVE 20,3
332 PRINT Z$
334 KO=3
336 END
338 PAGE
340 PRINT '50. Enhanced economic relations with African countries'
342 PRINT
344 PRINT '51. Democratic institutions in Africa'
346 PRINT
348 PRINT '52. Political stability in non-Communist African countries'
350 PRINT
352 PRINT '53. Security of sea lane around African cape'
354 MOVE 0,60
356 PRINT 'Five discrete levels are coded for the following for each';
358 PRINT ' goal'
360 PRINT 'relevant to the crises :'
362 PRINT
364 PRINT '        o Threat to goal'
366 PRINT '        o Short term impact'
368 PRINT '        o Long term impact'
370 PRINT '        o Short term change'
372 PRINT '------- o Long term change' ---
374 MOVE 20,5
376 PRINT Z$
378 KO=4
380 END
382 PAGE
384 MOVE 20,80
386 PRINT 'Summary of Program Keys'
388 MOVE 30,70
390 PRINT 'o No. 1 - CRISIS DESCRIPTORS (Print for selected crises)'
392 MOVE 30,65
394 PRINT 'o No. 2 - U.S. ACTIONS (Information)'
396 MOVE 30,60
398 PRINT 'o No. 3 - U.S. OBJECTIVES (Information)'
400 MOVE 30,55
402 PRINT 'o No. 4 - PROBLEMS (Information)'
404 MOVE 30,50
406 PRINT 'o No. 5 - CRISIS OUTCOMES (Information)'
408 MOVE 30,45
410 PRINT 'o No. 6 - CONTINUE (Return to the INTRODUCTION)'
412 MOVE 30,40
414 PRINT 'o No.10 - HELP (For general information)'
416 MOVE 20,5
418 PRINT 'Press Program Key'
420 KO=5
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 212
25 IF KO=2 THEN 95
26 IF KO=3 THEN 1002
28 GO TO 212
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
44 GO TO 212
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 12
81 SAVE
82 PRINT 'Saved on 12'
83 END
90 FIND NO
91 OLD
92 RUN
95 PAGE
96 GO TO 130
100 DIM X$(6301),K$(316),L$(20),V$(50),Z$(26),L(20)
102 DATA '0000000000000000000000000000000000000000000000000000'
104 READ V$
106 L=0
108 SET KEY
110 Z$='Press CONTINUE (Key No. 6)'
112 PAGE
114 MOVE 20,100
116 PRINT 'Selection of crises by CRISIS DESCRIPTORS'
118 MOVE 15,90
120 PRINT 'Use previously selected crisis set ? (Y or N) ';
122 INPUT A$
124 IF A$='N' THEN 162
126 MOVE 15,80
128 PRINT 'You may examine these crises.'
130 MOVE 20,70
132 PRINT 'o Key No. 1 - CRISIS DESCRIPTORS'
134 MOVE 20,65
136 PRINT 'o Key No. 2 - U.S. ACTIONS'
138 MOVE 20,60
140 PRINT 'o Key No. 3 - U.S. OBJECTIVES'
142 MOVE 20,55
144 PRINT 'o Key No. 4 - MANAGEMENT PROBLEMS'
146 MOVE 20,50
148 PRINT 'o Key No. 5 - CRISIS OUTCOMES'
150 MOVE 20,45
152 PRINT 'o Key No. 6 - CONTINUE (To print titles)'
154 MOVE 15,30
156 PRINT 'Press Program Key for desired data file.'
```

```
158 K0=3
160 END
162 MOVE 15,80
164 PRINT 'The crisis descriptors will be listed.'
166 MOVE 15,70
168 PRINT 'Please type Y or N or P by each.'
170 MOVE 20,65
172 PRINT 'Y - YES, Select crises by this descriptor; the allowed'
174 MOVE 20,62
176 PRINT '          levels will be printed; please type Y or N by each'
178 MOVE 20,57
180 PRINT 'N - NO, Isnore this descriptor'
182 MOVE 20,52
184 PRINT 'P - PROCEED, Stop listing descriptors; go to the file search'
186 FIND 13
188 READ @33:X$
190 K$=V$
192 L$=SEG(V$,1,15)
194 FOR I=1 TO 5
196 K$=K$&V$
198 NEXT I
200 K$=K$&L$
202 L$=SEG(V$,1,20)
204 MOVE 20,3
206 PRINT Z$
208 K0=1
210 END
212 N$='N'
214 L=0
216 L9=0
218 L0=15
220 PAGE
222 PRINT 'Selection of Descriptor Variables'
224 MOVE 0,97
226 PRINT @32,20:60,97
228 MOVE 0,90
230 C=0
232 PRINT 'Pre-crisis Activity          : ? ';
234 GOSUB 990
236 IF Y$=N$ THEN 272
238 PRINT '   ROUTINE ? ';
240 L9=L9+1
242 INPUT Y$
244 IF Y$=N$ THEN 250
246 L(C)=1
248 GO TO 272
250 PRINT '   TENSE ? ';
252 L9=L9+1
254 INPUT Y$
256 IF Y$=N$ THEN 262
258 L(C)=2
260 GO TO 272
262 PRINT '   INCREASED READINESS ? ';
264 L9=L9+1
266 INPUT Y$
268 IF Y$=N$ THEN 220
270 L(C)=3
272 GOSUB 974
274 PRINT 'Duration of Pre-crisis Activity : ? ';
276 GOSUB 990
278 IF Y$=N$ THEN 316
280 PRINT '   NONE (NO WARNING) ? ';
282 L9=L9+1
284 INPUT Y$
286 IF Y$=N$ THEN 294
288 PRINT
```

311

```
290 L(C)=1
292 GO TO 316
294 PRINT '    SHORT (<30 DAYS) ? ';
296 L9=L9+1
298 INPUT Y$
300 IF Y$=N$ THEN 306
302 L(C)=2
304 GO TO 316
306 PRINT '    EXTENDED (>30 DAYS) ? ';
308 L9=L9+1
310 INPUT Y$
312 IF Y$=N$ THEN 318
314 L(C)=3
316 GOSUB 974
318 PRINT 'Crisis Activity              : ? ';
320 GOSUB 990
322 IF Y$=N$ THEN 346
324 PRINT '    INTERNAL (DOMESTIC) ? ';
326 L9=L9+1
328 INPUT Y$
330 IF Y$=N$ THEN 336
332 L(C)=1
334 GO TO 346
336 PRINT '    INTERNATIONAL ?';
338 L9=L9+1
340 INPUT Y$
342 IF Y$=N$ THEN 346
344 L(C)=2
346 GOSUB 974
348 PRINT 'Nature of the Crisis         : ? ';
350 GOSUB 990
352 IF Y$=N$ THEN 388
354 PRINT '    POLITICAL ? ';
356 L9=L9+1
358 INPUT Y$
360 IF Y$=N$ THEN 366
362 L(C)=1
364 GO TO 388
366 PRINT '    MILITARY ? ';
368 L9=L9+1
370 INPUT Y$
372 IF Y$=N$ THEN 378
374 L(C)=2
376 GO TO 388
378 PRINT '    POLITICAL AND MILITARY ? ';
380 L9=L9+1
382 INPUT Y$
384 IF Y$=N$ THEN 390
386 L(C)=3
388 GOSUB 974
390 PRINT 'Duration of Crisis           : ? ';
392 GOSUB 990
394 IF Y$=N$ THEN 430
396 PRINT '    SHORT (<7 DAYS) ? ';
398 L9=L9+1
400 INPUT Y$
402 IF Y$=N$ THEN 408
404 L(C)=1
406 GO TO 430
408 PRINT '    MODERATE (7-30 DAYS) ? ';
410 L9=L9+1
412 INPUT Y$
414 IF Y$=N$ THEN 420
416 L(C)=2
418 GO TO 430
420 PRINT '    EXTENDED (>30 DAYS) ? ';
```

```
422 L9=L9+1
424 INPUT Y$
426 IF Y$=N$ THEN 432
428 L(C)=3
430 GOSUB 974
432 PRINT 'Crisis Resolution                : ? ';
434 GOSUB 990
436 IF Y$=N$ THEN 472
438 PRINT '    QUICK (<7 DAYS) ? ';
440 L9=L9+1
442 INPUT Y$
444 IF Y$=N$ THEN 450
446 L(C)=1
448 GO TO 472
450 PRINT '    MODERATE (WITHIN 30 DAYS) ? ';
452 L9=L9+1
454 INPUT Y$
456 IF Y$=N$ THEN 462
458 L(C)=2
460 GO TO 472
462 PRINT '    EXTENDED (>30 DAYS) ? ';
464 L9=L9+1
466 INPUT Y$
468 IF Y$=N$ THEN 474
470 L(C)=3
472 GOSUB 974
474 PRINT 'Crisis Outcome                : ? ';
476 GOSUB 990
478 IF Y$=N$ THEN 514
480 PRINT '    POSITIVE ? ';
482 L9=L9+1
484 INPUT Y$
486 IF Y$=N$ THEN 492
488 L(C)=1
490 GO TO 514
492 PRINT '    NO CHANGE ? ';
494 L9=L9+1
496 INPUT Y$
498 IF Y$=N$ THEN 504
500 L(C)=2    ---      ..
502 GO TO 514
504 PRINT '    NEGATIVE ? ';
506 L9=L9+1
508 INPUT Y$
510 IF Y$=N$ THEN 516
512 L(C)=3
514 GOSUB 974
516 PRINT 'Awareness of Crisis Possibility : ? ';
518 GOSUB 990
520 IF Y$=N$ THEN 556
522 PRINT '    ANTICIPATED ? ';
524 L9=L9+1
526 INPUT Y$
528 IF Y$=N$ THEN 534
530 L(C)=1
532 GO TO 556
534 PRINT '    UNCERTAIN ? ';
536 L9=L9+1
538 INPUT Y$
540 IF Y$=N$ THEN 546
542 L(C)=2
544 GO TO 556
546 PRINT '    NONE; SURPRISE ? ';
548 L9=L9+2
550 INPUT Y$
552 IF Y$=N$ THEN 544
```

```
554 L(C)=3
556 GOSUB 974
558 PRINT 'Threat to U.S. Interests              : ? ';
560 GOSUB 990
562 IF Y$=N$ THEN 598
564 PRINT '    LOW ? ';
566 L9=L9+1
568 INPUT Y$
570 IF Y$=N$ THEN 576
572 L(C)=1
574 GO TO 598
576 PRINT '    MODERATE ? ';
578 L9=L9+1
580 INPUT Y$
582 IF Y$=N$ THEN 588
584 L(C)=2
586 GO TO 598
588 PRINT '    SEVERE ? ';
590 L9=L9+1
592 INPUT Y$
594 IF Y$=N$ THEN 600
596 L(C)=3
598 GOSUB 974
600 PRINT 'Threat Timing               : ? ';
602 GOSUB 990
604 IF Y$=N$ THEN 628
606 PRINT '    RAPID (<7 DAYS) ? ';
608 L9=L9+1
610 INPUT Y$
612 IF Y$=N$ THEN 618
614 L(C)=1
616 GO TO 628
618 PRINT '    EXTENDED (>7 DAYS) ? ';
620 L9=L9+1
622 INPUT Y$
624 IF Y$=N$ THEN 616
626 L(C)=2
628 GOSUB 974
630 PRINT 'Decision Time               : ? ';
632 GOSUB 990
634 IF Y$=N$ THEN 658
636 PRINT '    SHORT ? ';
638 L9=L9+1
640 INPUT Y$
642 IF Y$=N$ THEN 648
644 L(C)=1
646 GO TO 658
648 PRINT '    EXTENDED ? ';
650 L9=L9+1
652 INPUT Y$
654 IF Y$=N$ THEN 658
656 L(C)=2
658 GOSUB 974
660 PRINT 'Two or More Large Powers            : ? ';
662 GOSUB 990
664 IF Y$=N$ THEN 680
666 PRINT '    U.S. INTERESTS INVOLVED ? ';
668 L9=L9+1
670 INPUT Y$
672 IF Y$=N$ THEN 744
674 L(C)=1
676 GO TO 702
678 L(C)=2
680 GOSUB 974
682 PRINT 'Large Non-U.S. Power            : ? ';
```

```
686 IF Y$=N$ THEN 702
688 PRINT '    LARGE POWER INTERESTS ? ';
690 L9=L9+1
692 INPUT Y$
694 IF Y$=N$ THEN 794
696 L(C)=1
698 GO TO 702
700 L(C)=2
702 GOSUB 974
704 PRINT 'U.S. and Small Power(s)        ; ? ';
706 GOSUB 990
708 IF Y$=N$ THEN 724
710 PRINT '   U.S. INTERESTS INVOLVED ? ';
712 L9=L9+1
714 INPUT Y$
716 IF Y$=N$ THEN 814
718 L(C)=1
720 GO TO 724
722 L(C)=2
724 GOSUB 974
726 PRINT 'Small Powers                   ; ? ';
728 GOSUB 990
730 IF Y$=N$ THEN 746
732 PRINT '   U.S. INTERESTS INVOLVED ? ';
734 L9=L9+1
736 INPUT Y$
738 IF Y$=N$ THEN 744
740 L(C)=1
742 GO TO 746
744 L(C)=2
746 GOSUB 974
748 PRINT 'Internal Crisis                ; ? ';
750 GOSUB 990
752 IF Y$=N$ THEN 778
754 PRINT '   U.S. INTERESTS INVOLVED ? ';
756 L9=L9+1
758 INPUT Y$
760 IF Y$=N$ THEN 876
762 L(C)=1
764 GO TO 778
766 L(C)=2
768 PRINT '   U.S. INTERNAL CRISIS ? ';
770 L9=L9+1
772 INPUT Y$
774 IF Y$=N$ THEN 778
776 L(C)=3
778 GOSUB 974
780 PRINT 'JCS Region ? ';
782 GOSUB 990
784 IF Y$='N' THEN 792
786 PRINT 'Enter region code (1 - 10) ';
788 INPUT V0
790 L(C)=V0
792 GOSUB 974
794 PRINT 'U.S. Response                  ; ? ';
796 GOSUB 990
798 IF Y$=N$ THEN 858
800 PRINT '   NON-INVOLVEMENT ? ';
802 L9=L9+1
804 INPUT Y$
806 IF Y$=N$ THEN 812
808 L(C)=1
810 GO TO 858
812 PRINT '   MEDIATION ? ';
814 L9=L9+1
816 INPUT Y$
```

```
818 IF Y$=N$ THEN 824
820 L(C)=2
822 GO TO 858
824 PRINT '    TO PROVIDE ASSISTANCE ? ';
826 L9=L9+1
828 INPUT Y$
830 IF Y$=N$ THEN 836
832 L(C)=3
834 GO TO 858
836 PRINT '    PARTICIPATION ? ';
838 L9=L9+1
840 INPUT Y$
842 IF Y$=N$ THEN 848
844 L(C)=4
846 GO TO 858
848 PRINT '    CONFRONTATION ? ';
850 L9=L9+1
852 INPUT Y$
854 IF Y$=N$ THEN 858
856 L(C)=5
858 GOSUB 974
860 PRINT 'U.S. Objective                    : ? ';
862 GOSUB 990
864 IF Y$=N$ THEN 900
866 PRINT '    NONE ? ';
868 L9=L9+1
870 INPUT Y$
872 IF Y$=N$ THEN 878
874 L(C)=1
876 GO TO 900
878 PRINT '    STATUS QUO ANTE ? ';
880 L9=L9+1
882 INPUT Y$
884 IF Y$=N$ THEN 890
886 L(C)=2
888 GO TO 900
890 PRINT '    CHANGE STATUS ? ';
892 L9=L9+1
894 INPUT Y$
896 IF Y$=N$ THEN 948
898 L(C)=3
900 GOSUB 974
902 PRINT 'Strategic Implications            : ? ';
904 GOSUB 990
906 IF Y$=N$ THEN 926
908 PRINT '    NON-NUCLEAR ? ';
910 INPUT Y$
912 IF Y$=N$ THEN 926
914 L(C)=1
916 GO TO 926
918 PRINT '    NUCLEAR ? ';
920 INPUT Y$
922 IF Y$=N$ THEN 926
924 L(C)=2
926 N1=0
928 GIN X,Y
930 MOVE 0,Y-5
932 PRINT 'Descriptor selection finished.'
934 PRINT 'The file will be searched for crises with these descriptors.'
936 FOR I=1 TO 315
938 H=(I-1)*20
940 FOR K=1 TO 20
942 IF L(K)=0 THEN 950
944 T$=SEG(X$,H+K,1)
946 T=VAL(T$)
948 IF T<>L(K) THEN 954
```

```
950 NEXT K
952 K$=REP('1',I,1)
954 N1=N1+1
956 NEXT I
958 PRINT 'CASES FOUND= ',N1
960 FIND 18
962 WRITE @33:K$
964 MOVE 20,3
966 PRINT Z$
968 K0=2
970 END
972 REM **sub to clear screen**
974 IF Y$='P' THEN 926
976 IF L9<L0 THEN 986
978 MOVE 0,0
980 PRINT 'Press HOME/PAGE to clear screen'
982 MOVE 0,96
984 L9=0
986 PRINT
988 RETURN
990 REM **Handle user input
992 INPUT Y$
994 IF Y$='P' THEN 926
996 C=C+1
998 L9=L9+1
1000 RETURN
1002 PAGE
1004 FIND 25
1006 FOR K=1 TO 315
1008 INPUT @33:Q$
1010 Y$=SEG(K$,K,1)
1012 IF Y$='0' THEN 1030
1014 X=POS(Q$,'>',20)
1016 S$=SEG(Q$,8,X-8)
1018 PRINT USING 1020:K,S$
1020 IMAGE 3d,1x,68a
1022 GIN X,Y
1024 IF Y>8 THEN 1030
1026 MOVE 20,0
1028 PRINT 'Press HOME/PAGE to clear screen'
1030 NEXT K
1032 MOVE 20,3
1034 PRINT Z$
1036 K0=2
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 124
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 14
81 SAVE
82 PRINT 'Saved on 14'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(6301),K$(316),K2(21),A(21),Y$(19),U$(2)
102 D=32
104 U$='>'
106 SET KEY
108 Y$='--------------------'
110 PAGE
112 MOVE 10,60
114 PRINT 'U.S. CRISIS DESCRIPTORS are being read from tape.'
116 FIND 13
118 READ @33:X$
120 FIND 18
122 READ @33:K$
124 FIND 25
126 PAGE
128 FOR K=1 TO 315
130 INPUT @33:S$
132 G$=SEG(K$,K,1)
134 IF G$='0' THEN 512
136 Z=POS(S$,U$,20)
138 T$=SEG(S$,8,Z-8)
140 PRINT @D:Y$,Y$,Y$,Y$
142 PRINT @D: USING 144:K,T$
144 IMAGE (3d,1X,65s)
146 PRINT @D:Y$,Y$,Y$,Y$
148 PRINT @D:
150 L=(K-1)*20
```

318

```
154 T$=SEG(X$,VO+L,1)
156 A(VO)=VAL(T$)
158 NEXT VO
160 TO=86
162 MOVE 0,TO
164 TO=TO-4
166 PRINT @D: USING 168:A(17)
168 IMAGE 'JCS region',22x,': ',2d
170 MOVE 0,TO
172 TO=TO-4
174 GO TO A(1) OF 178,182,186
176 IMAGE 'Pre-crisis Activity            : ',20A
178 PRINT @D: USING 176:'ROUTINE'
180 GO TO 188
182 PRINT @D: USING 176:'TENSE'
184 GO TO 188
186 PRINT @D: USING 176:'INCREASED READINESS'
188 MOVE 0,TO
190 TO=TO-4
192 GO TO A(2) OF 196,200,204
194 IMAGE 'Duration of Pre-crisis Activity : ',20A
196 PRINT @D: USING 194:'NONE (NO WARNING)'
198 GO TO 206
200 PRINT @D: USING 194:'SHORT (<30 DAYS)'
202 GO TO 206
204 PRINT @D: USING 194:'EXTENDED (>30 DAYS)'
206 MOVE 0,TO
208 TO=TO-4
210 GO TO A(3) OF 214,218
212 IMAGE 'Crisis Activity                : ',20A
214 PRINT @D: USING 212:'INTERNAL (DOMESTIC)'
216 GO TO 222
218 PRINT @D: USING 212:'INTERNATIONAL'
220 IMAGE 'Nature of the Crisis            : ',25A
222 MOVE 0,TO
224 TO=TO-4
226 GO TO A(4) OF 228,232,236
228 PRINT @D: USING 220:'POLITICAL'
230 GO TO 238
232 PRINT @D: USING 220:'MILITARY'
234 GO TO 238
236 PRINT @D: USING 220:'POLITICAL AND MILITARY'
238 MOVE 0,TO
240 TO=TO-4
242 GO TO A(5) OF 246,250,254
244 IMAGE 'Duration of Crisis             : ',25A
246 PRINT @D: USING 244:'SHORT (<7 DAYS)'
248 GO TO 256
250 PRINT @D: USING 244:'MODERATE (7-30 DAYS)'
252 GO TO 256
254 PRINT @D: USING 244:'EXTENDED (>30 DAYS)'
256 MOVE 0,TO
258 TO=TO-4
260 GO TO A(6) OF 264,268,272
262 IMAGE 'Crisis Resolution              : ',30A
264 PRINT @D: USING 262:'QUICK (<7 DAYS)'
266 GO TO 274
268 PRINT @D: USING 262:'MODERATE (WITHIN 30 DAYS)'
270 GO TO 274
272 PRINT @D: USING 262:'EXTENDED (>30 DAYS)'
274 MOVE 0,TO
276 TO=TO-4
278 GO TO A(7) OF 282,286,290
280 IMAGE 'Crisis Outcome                 : ',20A
282 PRINT @D: USING 280:'POSITIVE'
```

319

```
286 PRINT @D: USING 280:"NO CHANGE"
288 GO TO 292
290 PRINT @D: USING 280:"NEGATIVE"
292 M=3
294 MOVE 0,TO
296 TO=TO-4
298 GO TO A(8) OF 302,306,310
300 IMAGE "Awareness of Crisis Possibility : ",15A
302 PRINT @D: USING 300:"ANTICIPATED"
304 GO TO 312
306 PRINT @D: USING 300:"UNCERTAIN"
308 GO TO 312
310 PRINT @D: USING 300:"NONE; SURPRISE"
312 MOVE 0,TO
314 TO=TO-4
316 GO TO A(9) OF 320,324,328
318 IMAGE "Threat to U.S. Interests        : ",10A
320 PRINT @D: USING 318:"LOW"
322 GO TO 330
324 PRINT @D: USING 318:"MODERATE"
326 GO TO 330
328 PRINT @D: USING 318:"SEVERE"
330 MOVE 0,TO
332 TO=TO-4
334 GO TO A(10) OF 338,342
336 IMAGE "Threat Timing                   : ",25A
338 PRINT @D: USING 336:"RAPID (<7 DAYS)"
340 GO TO 344
342 PRINT @D: USING 336:"EXTENDED (>7 DAYS)"
344 MOVE 0,TO
346 TO=TO-4
348 GO TO A(11) OF 352,356
350 IMAGE "Decision Time                   : ",15A
352 PRINT @D: USING 350:"SHORT"
354 GO TO 358
356 PRINT @D: USING 350:"EXTENDED"
358 IF A(12)=0 THEN 376
360 MOVE 0,TO
362 TO=TO-4
364 GO TO A(12) OF 366,370
366 PRINT @D: USING 372:"U.S. INVOLVED"
368 GO TO 448
370 PRINT @D: USING 372:"U.S. NOT INVOLVED"
372 IMAGE "Two or More Large Powers        : ", 20A
374 GO TO 448
376 IF A(13)=0 THEN 394
378 MOVE 0,TO
380 TO=TO-4
382 GO TO A(13) OF 384,388
384 PRINT @D: USING 390:"U.S. INTERESTS INVOLVED"
386 GO TO 448
388 PRINT @D: USING 390:"NO U.S. INTERESTS"
390 IMAGE "Large Non-U.S. Power            : ",25A
392 GO TO 448
394 IF A(14)=0 THEN 412
396 MOVE 0,TO
398 TO=TO-4
400 GO TO A(14) OF 402,406
402 PRINT @D: USING 410:"LARGE POWER INTERESTS"
404 GO TO 448
406 PRINT @D: USING 410:"NO LARGE POWER INTERESTS"
408 GO TO 448
410 IMAGE "U.S. and Small Power(s)         : ",30A
412 IF A(15)=0 THEN 428
414 MOVE 0,TO
```

```
418 GO TO A(15) OF 420,424
420 PRINT @D: USING 426:'U.S. INTERESTS INVOLVED'
422 GO TO 448
424 PRINT @D: USING 426:'NO U.S. INTERESTS'
426 IMAGE 'Small Powers                      : ',25A
428 IF A(16)=0 THEN 448
430 MOVE 0,TO
432 TO=TO-4
434 GO TO A(16) OF 438,442,446
436 IMAGE 'Internal Crisis                   : ',25A
438 PRINT @D: USING 436:'U.S. INTERESTS INVOLVED'
440 GO TO 448
442 PRINT @D: USING 436:'NO U.S. INTERESTS'
444 GO TO 448
446 PRINT @D: USING 436:'WITHIN THE U.S.'
448 MOVE 0,TO
450 TO=TO-4
452 GO TO A(18) OF 456,460,464,468,472
454 IMAGE 'U.S. Response                     : ',25A
456 PRINT @D: USING 454:'NON-INVOLVEMENT'
458 GO TO 474
460 PRINT @D: USING 454:'MEDIATION'
462 GO TO 474
464 PRINT @D: USING 454:'TO PROVIDE ASSISTANCE'
466 GO TO 474
468 PRINT @D: USING 454:'PARTICIPATION'
470 GO TO 474
472 PRINT @D: USING 454:'CONFRONTATION'
474 MOVE 0,TO
476 TO=TO-4
478 GO TO A(19) OF 482,486,490
480 IMAGE 'U.S. Objective                : ',20A
482 PRINT @D: USING 480:'NONE'
484 GO TO 492
486 PRINT @D: USING 480:'STATUS QUO ANTE'
488 GO TO 492
490 PRINT @D: USING 480:'CHANGE STATUS'
492 MOVE 0,TO
494 TO=TO-4
496 GO TO A(20) OF 500,504
498 IMAGE 'Strategic Implications            : ',15A
500 PRINT @D: USING 498:'NON-NUCLEAR'
502 GO TO 506
504 PRINT @D: USING 498:'NUCLEAR'
506 IF D=51 THEN 512
508 MOVE 20,0
510 PRINT 'Press HOME/PAGE to clear the screen'
512 NEXT K
514 MOVE 20,80
516 PRINT 'All cases selected have been printed.'
518 MOVE 20,75
520 PRINT 'Press Program Key :'
522 MOVE 30,65
524 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
526 MOVE 30,60
528 PRINT 'o No. 2 - U.S. ACTIONS'
530 MOVE 30,55
532 PRINT 'o No. 3 - U.S. OBJECTIVES'
534 MOVE 30,50
536 PRINT 'o No. 4 - PROBLEMS'
538 MOVE 30,45
540 PRINT 'o No. 5 - OUTCOMES'
542 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 154
25 IF KO=2 THEN 288
26 IF KO=3 THEN 400
27 IF KO>3 THEN 70
28 GO TO 104
29 GO TO 168
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 GO TO 28
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 546
71 IF KO=5 THEN 596
72 NO=3
73 GO TO 90
80 FIND 15
81 SAVE
82 PRINT 'Saved on 15'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(2260),K$(316),H$(316),CO(101),Z$(26),Y(58)
102 Z$='Press CONTINUE (Key No. 6)'
104 PAGE
106 Y=0
108 Y9=0
110 SET KEY
112 JO=0
114 MOVE 30,95
116 PRINT 'Crisis Selection by U.S. Actions'
118 MOVE 15,79
120 PRINT 'o After each action, please type Y or N or P : '
122 MOVE 25,69
124 PRINT 'Y -> YES, Select cases with this action.'
126 MOVE 25,64
128 PRINT 'N -> NO,  Ignore this action in the crisis'
130 MOVE 25,61
132 PRINT '           selection.'
134 MOVE 25,56
136 PRINT 'P -> PROCEED, Stop listing actions: go'
138 MOVE 48,53
140 PRINT ' directly to the file search.'
142 MOVE 15,40
144 PRINT 'o Your selections will be acknowledged by '*' .'
146 KO=1
```

```
150 PRINT Z$
152 END
154 PAGE
156 MOVE 0,95
158 L0=0
160 PRINT '    Land Forces Committed to Combat ';
162 GOSUB 518
164 PRINT '    Naval Forces Committed to Combat ';
166 GOSUB 518
168 PRINT '    Air Forces Committed to Combat ';
170 GOSUB 518
172 PRINT '    Land Support Services Committed ';
174 GOSUB 518
176 PRINT '    Naval Support Services Committed ';
178 GOSUB 518
180 PRINT '    Air Support Services Committed ';
182 GOSUB 518
184 PRINT '    Land Forces Repositioned ';
186 GOSUB 518
188 PRINT '    Naval Forces Repositioned ';
190 GOSUB 518
192 PRINT '    Air Forces Repositioned ';
194 GOSUB 518
196 PRINT '    Use of Nuclear Forces Threatened ';
198 GOSUB 518
200 PRINT '    Nuclear Forces Redeployed ';
202 GOSUB 518
204 PRINT '    Alert Status of Nuclear Forces Changed ';
206 GOSUB 518
208 PRINT '    Use of Nonnuclear Forces Threatened ';
210 GOSUB 518
212 PRINT '    Nonnuclear Forces Redeployed ';
214 GOSUB 518
216 PRINT '    Alert Status of Nonnuclear Forces Changed ';
218 GOSUB 518
220 PRINT '    Peacekeeping Forces Redeployed ';
222 GOSUB 518
224 PRINT '    Show of Military Force ';
226 GOSUB 518
228 PRINT '    Military Blockade or Quarantine ';
230 GOSUB 518
232 PRINT '    Isolated Military Contact ';
234 GOSUB 518
236 PRINT '    Military Search and Rescue Operation ';
238 GOSUB 518
240 PRINT '    Collection of Military Intelligence ';
242 GOSUB 518
244 PRINT '    Military Intelligence Given to an Ally ';
246 GOSUB 518
248 PRINT '    Military Intelligence Given to an Antagonist ';
250 GOSUB 518
252 PRINT '    Military Maneuvers or Training Exercises ';
254 GOSUB 518
256 PRINT '    Force Readiness Improved or Maintained ';
258 GOSUB 518
260 PRINT '    Covert Military Operations ';
262 GOSUB 518
264 PRINT '    Military Intervention between Combatants ';
266 GOSUB 518
268 PRINT '    Airlift: Personnel, Supplies, Equipment ';
270 GOSUB 518
272 PRINT '    Military Advisory Assistance Provided ';
274 GOSUB 519
276 PRINT '    Combat Training Provided ';
278 GOSUB 518
280 MOVE 20,5
282 PRINT '  ';
```

```
284 KO=2
286 END
288 PAGE
290 PRINT '    Non-Combat Military Training Provided ';
292 GOSUB 518
294 PRINT '    Military Equipment Drawndown from U.S. Units ';
296 GOSUB 518
298 PRINT '    Supplies from U.S. Depots Provided ';
300 GOSUB 518
302 PRINT '    Supplies Provided from Non-Military Sources ';
304 GOSUB 518
306 PRINT '    Military Maintenance Assistance Provided ';
308 GOSUB 518
310 PRINT '    Military Logistics Assistance Provided ';
312 GOSUB 518
314 PRINT '    Unspecified Military Assistance Provided ';
316 GOSUB 518
318 PRINT '    Commitment Made to New Military Mission ';
320 GOSUB 518
322 PRINT '    New Military Mission Undertaken ';
324 GOSUB 518
326 PRINT '    New Military Cost Accepted ';
328 GOSUB 518
330 PRINT '    Existing Defense Treaty Modified ';
332 GOSUB 518
334 PRINT '    Existing Base Rights Treaty Modified ';
336 GOSUB 518
338 PRINT '    Existing Status of Forces Treaty Modified ';
340 GOSUB 518
342 PRINT '    Allies Consulted; Assistance in Decisions Sought ';
344 GOSUB 518
346 PRINT '    No Military Action ';
348 GOSUB 518
350 PRINT '    Diplomatic Channels Employed ';
352 GOSUB 518
354 PRINT '    Mediation Attempted ';
356 GOSUB 518
358 PRINT '    Support Withdrawn or Withdrawal Threatened ';
360 GOSUB 518
362 PRINT '    Peacekeeping Efforts Advocated/Supported ';
364 GOSUB 518
366 PRINT '    Efforts to Improve Scientific, Technical Capabilities ';
370 GOSUB 518
372 PRINT '    Existing Political, Military Commitments Reaffirmed';
374 GOSUB 518
376 PRINT '    Protests Lodged ';
378 GOSUB 518
380 PRINT '    Action by U.S. Alone ';
382 GOSUB 518
384 PRINT '    Action with One or More Allies ';
386 GOSUB 518
388 PRINT '    The United Nations Involved ';
390 GOSUB 518
392 MOVE 0,5
394 PRINT 'Actions selected, press CONTINUE (Key No. 6)'
396 KO=3
398 END
400 PAGE
402 MOVE 15,100
404 PRINT 'Data on U.S. actions are being read from the tape.'
406 IF Y9=1 THEN 414
408 FIND 16
410 Y9=1
412 READ 233;X$,H$,CO
414 MOVE 15,75
416 X$=H$
```

324

```
420 MOVE 15,90
422 PRINT 'The search will take 60-90 seconds.'
424 T0=101
426 FOR J1=1 TO 101
428 L=1651+(J1-1)*3
430 A$=SEG(X$,L,3)
432 L1=VAL(A$)
434 B$=SEG(X$,L+3,3)
436 L2=VAL(B$)-1
438 FOR K=1 TO J0
440 W=Y(K)
442 FOR J=L1 TO L2
444 P$=SEG(X$,(J-1)*2+1,2)
446 P=VAL(P$)
448 IF P=W THEN 458
450 NEXT J
452 T0=T0-1
454 K$=REP('0',CO(J1),1)
456 GO TO 460
458 NEXT K
460 NEXT J1
462 MOVE 20,80
464 IF T0>1 THEN 470
466 PRINT 'Crisis selection finished : One crisis was found.'
468 GO TO 474
470 PRINT USING 472:T0
472 IMAGE 'Crisis selection finished. ',3d,' crises were found.'
474 FIND 18
476 WRITE @33:K$
478 MOVE 20,65
480 PRINT 'Summary of Program Keys :'
482 MOVE 28,55
484 PRINT 'No. 6 - To print titles of selected crises'
490 MOVE 28,50
492 PRINT 'No. 1 - CRISIS DESCRIPTORS'
494 MOVE 28,45
496 PRINT 'No. 2 - U.S. ACTIONS'
498 MOVE 28,40
500 PRINT 'No. 3 - U.S. OBJECTIVES'
502 MOVE 28,35
504 PRINT 'No. 4 - MANAGEMENT PROBLEMS'
506 MOVE 28,30
508 PRINT 'No. 5 - CRISIS OUTCOMES'
511 MOVE 40,10
512 PRINT 'Press Program Key'
514 K0=4
516 END
518 REM sub to handle user responses**
520 L0=L0+1
522 GIN X,Y0
524 INPUT A$
526 MOVE X+3,Y0
528 IF A$='n' THEN 342
530 IF A$='p' THEN 392
532 IF A$<>'y' THEN 524
534 J0=J0+1
536 Y(J0)=L0
538 PRINT @D:'x'
540 GO TO 544
542 PRINT @D:' '
544 RETURN
546 PAGE
548 MOVE 20,100
550 PRINT 'Crises in which the U.S. took the selected actions.';
552 PRINT @32,20:20,100
```

```
556 FIND 25
558 FOR K=1 TO 98
560 INPUT @33:Q$
562 NEXT K
564 FOR K=99 TO 315
566 INPUT @33:Q$
568 C$=SEG(K$,K,1)
570 IF C$='0' THEN 586
572 X=POS(Q$,'>',20)
574 M$=SEG(Q$,9,X-9)
576 PRINT M$
578 GIN X0,Y0
580 IF Y0>5 THEN 586
582 MOVE 10,0
584 PRINT 'Press HOME/PAGE to clear the screen.'
586 NEXT K
588 MOVE 10,5
590 PRINT Z$
592 X0=5
594 END
596 PAGE
598 GO TO 478
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 GO TO 100
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 614
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 17
81 SAVE
82 PRINT 'Saved on 17'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(2260),K$(316),Y$(19),H$(316),V$(2),Y$(19),Z(57)
102 U$='>'
104 Y$='--------------------'
106 PAGE
108 SET KEY
110 MOVE 10,60
112 PRINT 'Data on U.S. actions are being read from the tape.'
114 FIND 16
116 READ @33:X$,H$
118 FIND 18
120 READ @33:K$
122 FIND 25
124 PAGE
126 MOVE 15,80
128 PRINT 'Since there are no data on U.S. actions in crises'
130 MOVE 15,75
132 PRINT 'before 1956, the first 98 cases are skipped.'
134 FOR LO=1 TO 98
136 INPUT @33:Q$
138 NEXT LO
140 PAGE
142 Z=0
144 Z0=0
146 FOR I0=99 TO 315
148 INPUT @33:Q$
150 G$=SEG(K$,I0,1)
152 IF G$='0' THEN 566
154 X=POS(Q$,U$,20)
156 C$=SEG(Q$,9,X-9)
158 PRINT Y$,Y$,Y$,Y$
160 PRINT USING 162:I0,C$
162 IMAGE 3D,1X,65A
164 PRINT Y$,Y$,Y$,Y$
166 T0=85
168 MOVE 0,T0
```

327

```
170 PRINT 'U.S. Actions'
172 V$=SEG(H$,I0,1)
174 IF V$='0' THEN 186
176 FOR J0=1 TO 101
178 B$=SEG(X$,1956+(J0-1)*3+1,3)
180 B=VAL(B$)
182 IF B=I0 THEN 200
184 NEXT J0
186 MOVE 20,60
188 PRINT 'No data for this case.'
190 FOR G=1 TO 50
192 H=SQR(99999)
194 NEXT G
196 PAGE
198 GO TO 566
200 T0=T0-4
202 MOVE 0,T0
204 L=1651+(J0-1)*3
206 A$=SEG(X$,L,3)
208 L1=VAL(A$)
210 B$=SEG(X$,L+3,3)
212 L2=VAL(B$)-1
214 FOR J=L1 TO L2
216 IF I0=53 THEN 560
218 T0=T0-4
220 MOVE 0,T0
222 P$=SEG(X$,(J-1)*2+1,2)
224 P=VAL(P$)
226 Z(P)=Z(P)+1
228 Z0=Z0+1
230 IF P=57 THEN 558
232 IF P>28 THEN 402
234 IF P>1 THEN 240
236 PRINT '   Land Forces Committed to Combat'
238 GO TO 560
240 IF P>2 THEN 246
242 PRINT '   Naval Forces Committed to Combat'
244 GO TO 560
246 IF P>3 THEN 252
248 PRINT '   Air Forces Committed to Combat'
250 GO TO 560
252 IF P>4 THEN 258
254 PRINT '---Land Support Services Committed'
256 GO TO 560
258 IF P>5 THEN 264
260 PRINT '   Naval Support Services Committed'
262 GO TO 560
264 IF P>6 THEN 270
266 PRINT '   Air Support Services Committed'
268 GO TO 560
270 IF P>7 THEN 276
272 PRINT '   Land Forces Repositioned'
274 GO TO 560
276 IF P>8 THEN 282
278 PRINT '   Naval Forces Repositioned'
280 GO TO 560
282 IF P>9 THEN 288
284 PRINT '   Air Forces Repositioned'
286 GO TO 560
288 IF P>10 THEN 294
290 PRINT '   Use of Nuclear Forces Threatened'
292 GO TO 560
294 IF P>11 THEN 300
296 PRINT '   Nuclear Forces Redeployed'
298 GO TO 560
300 IF P>12 THEN 306
```

```
170 PRINT 'U.S. Actions'
172 V$=SEG(H$,IO,1)
174 IF V$='0' THEN 186
176 FOR JO=1 TO 101
178 B$=SEG(X$,1956+(JO-1)*3+1,3)
180 B=VAL(B$)
182 IF B=IO THEN 200
184 NEXT JO
186 MOVE 20,60
188 PRINT 'No data for this case.'
190 FOR G=1 TO 50
192 H=SQR(99999)
194 NEXT G
196 PAGE
198 GO TO 566
200 TO=TO-4
202 MOVE 0,TO
204 L=1651+(JO-1)*3
206 A$=SEG(X$,L,3)
208 L1=VAL(A$)
210 B$=SEG(X$,L+3,3)
212 L2=VAL(B$)-1
214 FOR J=L1 TO L2
216 IF IO=53 THEN 560
218 TO=TO-4
220 MOVE 0,TO
222 P$=SEG(X$,(J-1)*2+1,2)
224 P=VAL(P$)
226 Z(P)=Z(P)+1
228 ZO=ZO+1
230 IF P=57 THEN 558
232 IF P>28 THEN 402
234 IF P>1 THEN 240
236 PRINT '   Land Forces Committed to Combat'
238 GO TO 560
240 IF P>2 THEN 246
242 PRINT '   Naval Forces Committed to Combat'
244 GO TO 560
246 IF P>3 THEN 252
248 PRINT '   Air Forces Committed to Combat'
250 GO TO 560
252 IF P>4 THEN 258
254 PRINT '---Land Support Services Committed'
256 GO TO 560
258 IF P>5 THEN 264
260 PRINT '   Naval Support Services Committed'
262 GO TO 560
264 IF P>6 THEN 270
266 PRINT '   Air Support Services Committed'
268 GO TO 560
270 IF P>7 THEN 276
272 PRINT '   Land Forces Repositioned'
274 GO TO 560
276 IF P>8 THEN 282
278 PRINT '   Naval Forces Repositioned'
280 GO TO 560
282 IF P>9 THEN 288
284 PRINT '   Air Forces Repositioned'
286 GO TO 560
288 IF P>10 THEN 294
290 PRINT '   Use of Nuclear Forces Threatened'
292 GO TO 560
294 IF P>11 THEN 300
296 PRINT '   Nuclear Forces Redeployed'
298 GO TO 560
300 IF P>12 THEN 304
```

```
302 PRINT '   Alert Status of Nuclear Forces Changed'
304 GO TO 560
306 IF P>13 THEN 312
308 PRINT '   Use of Nonnuclear Forces Threatened'
310 GO TO 560
312 IF P>14 THEN 318
314 PRINT '   Nonnuclear Forces Redeployed'
316 GO TO 560
318 IF P>15 THEN 324
320 PRINT '   Alert Status of Nonnuclear Forces Changed'
322 GO TO 560
324 IF P>16 THEN 330
326 PRINT '   Peacekeeping Forces Redeployed'
328 GO TO 560
330 IF P>17 THEN 336
332 PRINT '   Show of Military Force'
334 GO TO 560
336 IF P>18 THEN 342
338 PRINT '   Military Blockade or Quarantine'
340 GO TO 560
342 IF P>19 THEN 348
344 PRINT '   Isolated Military Contact'
346 GO TO 560
348 IF P>20 THEN 354
350 PRINT '   Military Search and Rescue Operation'
352 GO TO 560
354 IF P>21 THEN 360
356 PRINT '   Collection of Military Intelligence'
358 GO TO 560
360 IF P>22 THEN 366
362 PRINT '   Military Intelligence Given to an Ally'
364 GO TO 560
366 IF P>23 THEN 372
368 PRINT '   Military Intelligence Given to an Antagonist'
370 GO TO 560
372 IF P>24 THEN 378
374 PRINT '   Military Maneuvers or Training Exercises'
376 GO TO 560
378 IF P>25 THEN 384
380 PRINT '   Force Readiness Improved or Maintained'
382 GO TO 560
384 IF P>26 THEN 390
386 PRINT '   Covert Military Operations'
388 GO TO 560
390 IF P>27 THEN 396
392 PRINT '   Military Intervention between Combatants'
394 GO TO 560
396 IF P>28 THEN 402
398 PRINT '   Airlift: Personnel, Supplies, Equipment'
400 GO TO 560
402 IF P>29 THEN 408
404 PRINT '   Military Advisory Assistance Provided'
406 GO TO 560
408 IF P>30 THEN 414
410 PRINT '   Combat Training Provided'
412 GO TO 560
414 IF P>31 THEN 420
416 PRINT '   Non-Combat Military Training Provided'
418 GO TO 560
420 IF P>32 THEN 426
422 PRINT '   Military Equipment Drawdown from U.S. Units'
424 GO TO 560
426 IF P>33 THEN 432
428 PRINT '   Supplies from U.S. Depots Provided'
430 GO TO 560
432 IF P>34 THEN 438
```

```
434 PRINT '    Supplies Provided from Non-Military Sources'
436 GO TO 560
438 IF P>35 THEN 444
440 PRINT '    Military Maintenance Assistance'
442 GO TO 560
444 IF P>36 THEN 450
446 PRINT '    Military Logistics Assistance'
448 GO TO 560
450 IF P>37 THEN 456
452 PRINT '    Unspecified Military Assistance'
454 GO TO 560
456 IF P>38 THEN 462
458 PRINT '    Commitment to New Military Mission'
460 GO TO 560
462 IF P>39 THEN 468
464 PRINT '    New Military Mission Undertaken'
466 GO TO 560
468 IF P>40 THEN 474
470 PRINT '    New Military Cost Accepted'
472 GO TO 560
474 IF P>41 THEN 480
476 PRINT '    Existing Defense Treaty Modified'
478 GO TO 560
480 IF P>42 THEN 486
482 PRINT '    Existing Base Rights Treaty Modified'
484 GO TO 560
486 IF P>43 THEN 492
488 PRINT '    Existing Status of Forces Treaty Modified'
490 GO TO 560
492 IF P>44 THEN 498
494 PRINT '    Allies Consulted; Assistance in Decisions Sought'
496 GO TO 560
498 IF P>45 THEN 504
500 PRINT '    No Military Action'
502 GO TO 560
504 IF P>46 THEN 510
506 PRINT '    Diplomatic Channels Employed'
508 GO TO 560
510 IF P>47 THEN 516
512 PRINT '    Mediation Attempted'
514 GO TO 560
516 IF P>48 THEN 522
518 PRINT '--Support Withdrawn or Withdrawal Threatened'
520 GO TO 560
522 IF P>49 THEN 528
524 PRINT '    Peacekeeping Efforts Advocated/Supported'
526 GO TO 560
528 IF P>50 THEN 534
530 PRINT '    Efforts to Improve Scientific, Technical Capabilities'
532 GO TO 560
534 IF P>51 THEN 540
536 PRINT '    Existing Political, Military Commitments Reaffirmed'
538 GO TO 560
540 IF P>52 THEN 546
542 PRINT '    Protests Lodged'
544 GO TO 560
546 IF P>54 THEN 552
548 PRINT '    Action by U.S. Alone'
550 GO TO 560
552 IF P>56 THEN 560
554 PRINT '    Action with One or More Allies'
556 GO TO 560
558 PRINT '    The United Nations Involved'
560 NEXT J
562 MOVE 10,0
564 PRINT 'Press HOME/PAGE to clear screen'
```

```
568 MOVE 20,90
570 PRINT 'Actions printed for all cases selected.'
572 MOVE 20,80
574 PRINT 'Summary of Program Keys'
576 MOVE 30,70
578 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
580 MOVE 30,65
582 PRINT 'o No. 2 - U.S. ACTIONS'
584 MOVE 30,60
586 PRINT 'o No. 3 - U.S. OBJECTIVES'
588 MOVE 30,55
590 PRINT 'o No. 4 - PROBLEMS'
592 MOVE 30,50
594 PRINT 'o No. 5 - CRISIS OUTCOMES'
596 MOVE 30,45
598 PRINT 'o No. 6 - CONTINUE (To return to the INTRODUCTION)'
600 MOVE 30,40
602 PRINT 'o No. 7 - To count actions in selected crises'
603 MOVE 30,35
604 PRINT 'o No.10 - HELP (For general information)'
606 MOVE 30,5
608 PRINT 'Press Program Key'
610 K0=1
612 END
614 PAGE
616 PRINT '      Act  No.   %        Act  No.   %        Act   No.   %'
618 PRINT
620 FOR K=1 TO 19
622 L=K+19
624 M=K+38
626 PRINT USING 628:K,Z(K),Z(K)/Z0,L,Z(L),Z(L)/Z0,M,Z(M),Z(M)/Z0
628 IMAGE 3(6x,2d,2x,3d,2x,1d.2d)
630 NEXT K
632 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 156
25 IF KO=2 THEN 292
26 IF KO=3 THEN 400
27 IF KO>3 THEN 70
28 GO TO 108
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 IF KO=4 THEN 518
71 IF KO=5 THEN 562
80 FIND 19
81 SAVE
82 PRINT 'Saved on 19'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM Y(49),X$(27),B$(2324),K$(316),Z$(316),CO(101),V$(49)
102 X$='Press CONTINUE (Key No. 6)'
104 SET KEY
106 Y9=0
108 PAGE
110 MOVE 30,95
112 PRINT 'Crisis Selection by U.S. Objectives'
114 Y=0
116 JO=0
118 TO=101
120 MOVE 20,85
122 PRINT 'o After each Objective, please type Y or N or P.'
124 MOVE 28,77
126 PRINT 'Y -> YES, Select cases with this objective.'
128 MOVE 28,72
130 PRINT 'N -> NO, Ignore this objective in the crisis'
132 MOVE 35,69
134 PRINT ' selection.'
136 MOVE 28,64
138 PRINT 'P -> PROCEED, Stop listing objectives; so'
140 MOVE 35,61
142 PRINT ' directly to the file search.'
144 MOVE 20,50
```

```
148 MOVE 40,15
150 PRINT X$
152 KO=1
154 END
156 PAGE
158 LO=0
160 PRINT "       To Deter Imminent Attack ";
162 GOSUB 370
164 PRINT "       To Improve or Rectify Deterrence Posture ";
166 GOSUB 370
168 PRINT "       To Put Down a Rebellion ";
170 GOSUB 370
172 PRINT "       To Restore a Regime ";
174 GOSUB 370
176 PRINT "       To Regain Access to Economic Resources ";
178 GOSUB 370
180 PRINT "       To Restore Peace ";
182 GOSUB 370
184 PRINT "       To Restore Territorial Integrity ";
186 GOSUB 370
188 PRINT "       To Restore Military Balance of Power ";
190 GOSUB 370
192 PRINT "       To Restore Readiness ";
194 GOSUB 370
196 PRINT "       To Preserve Readiness ";
198 GOSUB 370
200 PRINT "       To Preserve Peace ";
202 GOSUB 370
204 PRINT "       To Confirm or Re-Establish Prestige ";
206 GOSUB 370
208 PRINT "       To Preserve Territory and/or Facilities ";
210 GOSUB 370
212 PRINT "       To Preserve Regime from External Threat ";
214 GOSUB 370
216 PRINT "       To Preserve Regime from Internal Threat ";
218 GOSUB 370
220 PRINT "       To Preserve, Restore, or Improve Alliance ";
222 GOSUB 370
224 PRINT "       To Protect Legal and Political Rights ";
226 GOSUB 370
228 PRINT "       To Induce Maintenence of Current Policy ";
230 GOSUB 370
232 PRINT "       To Dissuade from a New Policy ";
234 GOSUB 370
236 PRINT "       To Protect a Military Asset ";
238 GOSUB 370
240 PRINT "       To Support a New Government ";
242 GOSUB 370
244 PRINT "       To Induce National Reorientation ";
246 GOSUB 370
248 PRINT "       To Induce Adoption of a New Policy ";
250 GOSUB 370
252 PRINT "       To Bring about the Fall of a Regime ";
254 GOSUB 370
256 PRINT "       To Support Insurgency ";
258 GOSUB 370
260 PRINT "       To Deny Political Access ";
262 GOSUB 370
264 PRINT "       To Deny Military Access ";
266 GOSUB 370
268 PRINT "       To Assure Continued Economic Access ";
270 GOSUB 370
272 PRINT "       To Preserve, or Regain, Control of the Sea ";
274 GOSUB 370
276 PRINT "       To Preserve, or Regain, Control of the Air ";
```

```
280 PRINT '    To Deny Success to Terrorists or Hijackers ';
282 GOSUB 370
284 MOVE 20,5
286 PRINT X$
288 K0=2
290 END
292 PAGE
294 PRINT '    To Protect Human Life ';
296 GOSUB 370
298 PRINT '    To Provide Sanctuary or Asylum ';
300 GOSUB 370
302 PRINT '    To Support Critical Negotiations ';
304 GOSUB 370
306 PRINT '    To Discover Intentions or Actions ';
308 GOSUB 370
310 PRINT '    To Prepare for Alternative Missions ';
312 GOSUB 370
314 PRINT '    To Support Efforts by the United Nations ';
316 GOSUB 370
318 PRINT '    To Contain Opponents ';
320 GOSUB 370
322 PRINT '    To Prevent Spread of War ';
324 GOSUB 370
326 PRINT '    To Preserve Lines of Communication ';
328 GOSUB 370
330 PRINT '    To Regain Technical Advantage ';
332 GOSUB 370
334 PRINT '    To Restore Prestige ';
336 GOSUB 370
338 PRINT '    To Preserve Balance of Power ';
340 GOSUB 370
342 PRINT '    To Prevent Spread of Communist Influence ';
344 GOSUB 370
346 PRINT '    To Prevent Nuclear Proliferation ';
348 GOSUB 370
350 PRINT '    To Insure Self-Sufficiency ';
352 GOSUB 370
354 PRINT '    To Avoid Direct Involvement ';
356 GOSUB 370
358 PRINT '    To Preserve Secrecy ';
360 GOSUB 370
362 MOVE 20,5
364 PRINT 'Objectives selected, press CONTINUE (Key No. 6)'
366 K0=3
368 END
370 REM To handle user input
372 L0=L0+1
374 GIN X,Y1
376 INPUT A$
378 IF A$='n' THEN 392
380 IF A$='p' THEN 362
382 IF A$<>'y' THEN 378
384 Q$='*'
386 J0=J0+1
388 Y(J0)=L0
390 GO TO 394
392 Q$=' '
394 MOVE X+2,Y1
396 PRINT Q$
398 RETURN
400 PAGE
402 MOVE 15,100
404 IF Y9=1 THEN 414
406 PRINT 'Data on U.S. OBJECTIVES are being read from tape.
408 FIND 20
410 Y9=1
```

```
412 READ @33:B$,Z$,CO
414 K$=Z$
416 MOVE 15,95
418 PRINT 'The crises are being searched for the selected objectives.'
420 MOVE 15,90
422 PRINT 'The search will take 60-90 seconds.'
424 FOR J1=1 TO 101
426 L=1715+(J1-1)*3
428 E$=SEG(B$,L,3)
430 F$=SEG(B$,L+3,3)
432 L1=VAL(E$)
434 L2=VAL(F$)-1
436 FOR K=1 TO J0
438 W=Y(K)
440 FOR J=L1 TO L2
442 H$=SEG(B$,(J-1)*2+1,2)
444 P=VAL(H$)
446 IF W=P THEN 456
448 NEXT J
450 K$=REP('0',CO(J1),1)
452 TO=TO-1
454 GO TO 458
456 NEXT K
458 NEXT J1
460 REM **write selection code**
462 MOVE 20,80
464 IF TO>1 THEN 470
466 PRINT 'Crisis selection finished. One crisis was found.'
468 GO TO 474
470 PRINT USING 472:TO
472 IMAGE 'Crisis selection finished: ',3d,' crises found.'
474 FIND 18
476 WRITE @33:K$
478 MOVE 20,75
480 PRINT 'o To print titles of selected crises:'
482 MOVE 28,70
484 PRINT 'Key No. 6 - CONTINUE'
486 MOVE 20,62
488 PRINT 'o To print information for the selected crises :'
490 MOVE 28,55
492 PRINT 'Key No. 1 - CRISIS DESCRIPTORS'
494 MOVE 28,50
496 PRINT 'Key No. 2 - U.S. ACTIONS'
498 MOVE 28,45
500 PRINT 'Key No. 3 - U.S. OBJECTIVES'
502 MOVE 28,40
504 PRINT 'Key No. 4 - MANAGEMENT PROBLEMS'
506 MOVE 28,35
508 PRINT 'Key NO. 5 - CRISIS OUTCOMES'
510 MOVE 30,10
512 PRINT 'Press Program Key'
514 KO=4
516 END
518 REM **print titles**
520 FIND 25
522 FOR K=1 TO 78
524 INPUT @33:Q$
526 NEXT K
528 PAGE
530 FOR K=99 TO 315
532 INPUT @33:Q$
534 C$=SEG(K$,K,1)
536 IF C$='0' THEN 552
538 X=POS(Q$,'>',20)
540 M$=SEG(Q$,9,X-9)
542 PRINT @0:M$
```

```
544 GIN X0,Y0
546 IF Y0>5 THEN 552
548 MOVE 10,0
550 PRINT 'Press HOME/PAGE to clear screen'
552 NEXT K
554 MOVE 10,3
556 PRINT X$
558 K0=5
560 END
562 PAGE
564 GO TO 462
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 GO TO 126
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 560
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 21
81 SAVE
82 PRINT 'Saved on 21'
83 END
90 FIND NO
91 OLD
92 RUN
100 DIM A$(2324),K$(316),Y$(18),Z$(316),Z(48)
102 U$='>'
104 Y$='--------------------'
106 Z=0
108 Z0=0
110 SET KEY
112 PAGE
114 MOVE 20,90
116 PRINT 'Data on U.S. objectives are being read from tape.'
118 FIND 20
120 READ @33:A$,Z$
122 FIND 18
124 READ @33:K$
126 FIND 25
128 MOVE 20,80
130 PRINT 'Since there are no data on crises before 1956, the'
132 MOVE 20,75
134 PRINT 'first 98 crises are being skipped.'
136 FOR LO=1 TO 98
138 INPUT @33:Q$
140 NEXT LO
142 PAGE
144 FOR IO=99 TO 315
146 INPUT @33:Q$
148 G$=SEG(K$,IO,1)
```

337

```
152 X=POS(Q$,U$,20)
154 C$=SEG(Q$,9,X-9)
156 PRINT Y$,Y$,Y$,Y$
158 PRINT USING 160:I0,C$
160 IMAGE 3D,1X,65A
162 PRINT Y$,Y$,Y$,Y$
164 MOVE 0,85
166 PRINT 'U.S. Objectives'
168 F$=SEG(Z$,I0,1)
170 IF F$='0' THEN 182
172 FOR J0=1 TO 101
174 D$=SEG(A$,2021+(J0-1)*3,3)
176 D3=VAL(D$)
178 IF D3=I0 THEN 196
180 NEXT J0
182 MOVE 20,60
184 PRINT 'No data for this case.'
186 FOR G=1 TO 50
188 H=SQR(99999)
190 NEXT G
192 PAGE
194 GO TO 512
196 T0=82
198 E$=SEG(A$,1715+(J0-1)*3,3)
200 F$=SEG(A$,1715+J0*3,3)
202 L1=VAL(E$)
204 L2=VAL(F$)-1
206 FOR J=L1 TO L2
208 H$=SEG(A$,(J-1)*2+1,2)
210 P=VAL(H$)
212 Z(P)=Z(P)+1
214 Z0=Z0+1
216 T0=T0-4
218 MOVE 0,T0
220 IF P>1 THEN 226
222 PRINT '   To Deter Imminent Attack'
224 GO TO 506
226 IF P>2 THEN 232
228 PRINT '   To Improve or Rectify Deterrence Posture'
230 GO TO 506
232 IF P>3 THEN 238
234 PRINT '   To Put Down a Rebellion'
236 GO TO 506
238 IF P>4 THEN 244
240 PRINT '   To Restore a Regime'
242 GO TO 506
244 IF P>5 THEN 250
246 PRINT '   To Regain Access to Economic Resources'
248 GO TO 506
250 IF P>6 THEN 256
252 PRINT '   To Restore Peace'
254 GO TO 506
256 IF P>7 THEN 262
258 PRINT '   To Restore Territorial Integrity'
260 GO TO 506
262 IF P>8 THEN 268
264 PRINT ' . To Restore Military Balance of Power'
266 GO TO 506
268 IF P>9 THEN 274
270 PRINT '   To Restore Readiness'
272 GO TO 506
274 IF P>10 THEN 280
276 PRINT '   To Preserve Readiness'
278 GO TO 506
280 IF P>11 THEN 286
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284 GO TO 506
286 IF P>12 THEN 292
288 PRINT '    To Confirm or Re-Establish Prestige'
290 GO TO 506
292 IF P>13 THEN 298
294 PRINT '    To Preserve Territory and/or Facilities'
296 GO TO 506
298 IF P>14 THEN 304
300 PRINT '    To Preserve Regime from External Threat'
302 GO TO 506
304 IF P>15 THEN 310
306 PRINT '    To Preserve Regime from Internal Threat'
308 GO TO 506
310 IF P>16 THEN 316
312 PRINT '    To Preserve, Restore, or Improve Alliance'
314 GO TO 506
316 IF P>17 THEN 322
318 PRINT '    To Protect Legal and Political Rights'
320 GO TO 506
322 IF P>18 THEN 328
324 PRINT '    To Induce Maintenence of Current Policy'
326 GO TO 506
328 IF P>19 THEN 334
330 PRINT '    To Dissuade from a New Policy'
332 GO TO 506
334 IF P>20 THEN 340
336 PRINT '    To Protect a Military Asset'
338 GO TO 506
340 IF P>21 THEN 346
342 PRINT '    To Support a New Government'
344 GO TO 506
346 IF P>22 THEN 352
348 PRINT '    To Induce National Reorientation'
350 GO TO 506
352 IF P>23 THEN 358
354 PRINT '    To Induce Adoption of a New Policy'
356 GO TO 506
358 IF P>24 THEN 364
360 PRINT '    To Bring about the Fall of a Regime'
362 GO TO 506
364 IF P>25 THEN 370
366 PRINT '    To Support Insurgency'
368 GO TO 506
370 IF P>26 THEN 376
372 PRINT '    To Deny Political Access'
374 GO TO 506
376 IF P>27 THEN 382
378 PRINT '    To Deny Military Access'
380 GO TO 506
382 IF P>28 THEN 388
384 PRINT '    To Assure Continued Economic Access'
386 GO TO 506
388 IF P>29 THEN 394
390 PRINT '    To Preserve, or Regain, Control of the Sea'
392 GO TO 506
394 IF P>30 THEN 400
396 PRINT '    To Preserve, or Regain, Control of the Air'
398 GO TO 506
400 IF P>31 THEN 406
402 PRINT '    To Deny Success to Terrorists or HiJackers'
404 GO TO 506
406 IF P>32 THEN 412
408 PRINT '    To Protect Human Life'
410 GO TO 506
412 IF P>33 THEN 418
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416 GO TO 506
418 IF P>34 THEN 424
420 PRINT '   To Support Critical Negotiations'
422 GO TO 506
424 IF P>35 THEN 430
426 PRINT '   To Discover Intentions or Actions'
428 GO TO 506
430 IF P>36 THEN 436
432 PRINT '   To Prepare for Alternative Missions'
434 GO TO 506
436 IF P>37 THEN 442
438 PRINT '   To Support Efforts by the United Nations'
440 GO TO 506
442 IF P>38 THEN 448
444 PRINT '   To Contain Opponents'
446 GO TO 506
448 IF P>39 THEN 454
450 PRINT '   To Prevent Spread of War'
452 GO TO 506
454 IF P>40 THEN 460
456 PRINT '   To Preserve Lines of Communication'
458 GO TO 506
460 IF P>41 THEN 466
462 PRINT '   To Regain Technical Advantage'
464 GO TO 506
466 IF P>42 THEN 472
468 PRINT '   To Restore Prestige'
470 GO TO 506
472 IF P>43 THEN 478
474 PRINT '   To Preserve Balance of Power'
476 GO TO 506
478 IF P>44 THEN 484
480 PRINT '   To Prevent Spread of Communist Influence'
482 GO TO 506
484 IF P>45 THEN 490
486 PRINT '   To Prevent Nuclear Proliferation'
488 GO TO 506
490 IF P>46 THEN 496
492 PRINT '   To Insure Self-Sufficiency'
494 GO TO 506
496 IF P>47 THEN 502
498 PRINT '   To Avoid Direct Involvement'
500 GO TO 506
502 IF P>48 THEN 506
504 PRINT '   To Preserve Secrecy'
506 NEXT J
508 MOVE 10,0
510 PRINT 'Press HOME/PAGE to clear screen'
512 NEXT IO
514 MOVE 20,90
516 PRINT 'Objectives printed for all selected crises.'
518 MOVE 20,80
520 PRINT 'Summary of Program Keys'
522 MOVE 30,70
524 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
526 MOVE 30,65
528 PRINT 'o No. 2 - U.S. ACTIONS'
530 MOVE 30,60
532 PRINT 'o No. 3 - U.S. OBJECTIVES'
534 MOVE 30,55
536 PRINT 'o No. 4 - PROBLEMS'
538 MOVE 30,50
540 PRINT 'o No. 5 - CRISIS OUTCOMES'
542 MOVE 30,45
544 PRINT 'o No. 6 - CONTINUE (To return to the INTRODUCTION)'
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548 PRINT 'o No. 7 - To count objectives in selected crises'
550 MOVE 30,35
552 PRINT 'o No.10 - HELP (For general information)'
554 MOVE 30,5
556 PRINT 'Press Program Key'
558 END
560 PAGE
562 PRINT '        Obj  No.   %      Obj  No.   %      Obj  No.   %'
564 PRINT
566 FOR K=1 TO 16
568 L=K+16
570 M=K+32
572 PRINT USING 574:K,Z(K),Z(K)/Z0,L,Z(L),Z(L)/Z0,M,Z(M),Z(M)/Z0
574 IMAGE 3(6x,2d,2x,3d,2x,1d.2d)
576 NEXT K
578 END
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 152
25 IF KO=2 THEN 264
26 IF KO=3 THEN 398
27 IF KO>3 THEN 72
28 IF KO<5 THEN 104
29 NO=3
30 GO TO 90
32 NO=27
33 GO TO 90
36 NO=29
37 GO TO 90
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
70 PAGE
71 GO TO 616
72 IF KO=4 THEN 538
73 IF KO=5 THEN 660
74 IF KO=6 THEN 706
80 FIND 22
81 SAVE
82 PRINT 'Saved on 22'
83 END
90 PAGE
91 MOVE 20,70
92 PRINT 'Your selected program will be loaded.'
93 FIND NO
94 OLD
95 RUN
99 END
```

```
100 DIM X$(7980),K$(316),D3(101),Y$(26),H$(316),Z(80),M$(50),N$(15)
102 Y9=0
104 Z=0
106 SET KEY
108 Y$='Press CONTINUE (Key No. 6)'
110 PAGE
112 MOVE 30,95
114 PRINT 'Crisis Selection by U.S. Management Problem'
116 MOVE 20,85
118 PRINT 'o After each problem, please type Y or N or P :'
120 MOVE 25,79
122 PRINT 'Y -> YES, Select crises with this problem.'
124 MOVE 25,74
126 PRINT 'N -> NO, Ignore this problem in the crisis'
128 MOVE 25,69
130 PRINT 'P -> PROCEED, Stop listing problems; so'
132 MOVE 48,66
134 PRINT 'directly to the file search.'
136 MOVE 20,50
138 PRINT 'Your selections will be acknowledged by *.'
140 L0=0
142 J0=0
144 K0=1
146 MOVE 20,5
148 PRINT Y$
150 END
152 PAGE
154 MOVE 20,95
156 PRINT 'U.S. Crisis Management Problems'
158 MOVE 0,85
160 PRINT 'Delayed Decision on Action ';
162 GOSUB 508
164 PRINT 'Delayed Transmission of Decisions/Orders ';
166 GOSUB 508
168 PRINT 'Extensive Inter-agency Coordination Required ';
170 GOSUB 508
172 PRINT 'Concurrence(s) Legally Required for Proposed Action ';
174 GOSUB 508
176 PRINT 'Referral to Intern'l Agencies (UN,NATO,OAS) Required ';
178 GOSUB 508
180 PRINT 'President Involved as Decision-Maker ';
182 GOSUB 508
184 PRINT 'Security/Sensivity Issues ';
186 GOSUB 508
188 PRINT 'Misperception of Constraints ';
190 GOSUB 508
192 PRINT 'Constraints on Military Action ';
194 GOSUB 508
196 PRINT 'Consideration of U. S. Domestic Impact ';
198 GOSUB 508
200 PRINT 'Consideration of International Relations ';
202 GOSUB 508
204 PRINT 'Proposed Action Produces Domestic Policy Conflict ';
206 GOSUB 508
208 PRINT 'Proposed Action Produces Foreign Policy Conflict ';
210 GOSUB 508
212 PRINT 'Legality of Proposed Action Is an Issue ';
214 GOSUB 508
216 PRINT 'Presidential Approval Legally Required ';
218 GOSUB 508
220 PRINT 'Inadequate Communication Facilities ';
222 GOSUB 508
224 PRINT 'Inability to Reinforce Local Units in Time ';
226 GOSUB 508
228 PRINT 'Inability to Provide Additional Logistical Support ';
230 GOSUB 508
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232 PRINT 'Inadequate Intelligence Input for Decision-Makers ';
234 GOSUB 508
236 PRINT 'Delay in Securing Adequate Facts ';
238 GOSUB 508
240 PRINT 'Failure to Recognize Import of Information ';
242 GOSUB 508
244 PRINT 'Crisis Actions Affected by Ideological Issues ';
246 GOSUB 508
248 PRINT 'Crisis Actions Affected by Emotional Issues ';
250 GOSUB 508
252 PRINT 'Multi-Lingual Problems ';
254 GOSUB 508
256 K0=2
258 MOVE 20,5
260 PRINT Y$
262 END
264 PAGE
266 PRINT 'Press Relations/Public Information Significant ';
268 GOSUB 508
270 PRINT 'Delay in Contacting Proper Individuals ';
272 GOSUB 508
274 PRINT 'Distracted Attention due to Multiple Crises ';
276 GOSUB 508
278 PRINT 'Boredom ';
280 GOSUB 508
282 PRINT 'Fatigue ';
284 GOSUB 508
286 PRINT 'Frustration ';
288 GOSUB 508
290 PRINT 'Turnover of Key Personnel ';
292 GOSUB 508
294 PRINT 'Choice of Commander and Staff ';
296 GOSUB 508
298 PRINT 'Sudden Call-Up/Dispatch of Troops ';
300 GOSUB 508
302 PRINT 'Intermediate Headquarters/Chain of Command ';
304 GOSUB 508
306 PRINT 'No Single Commander with Clear Responsibility ';
308 GOSUB 508
310 PRINT 'Loss or Transfer of Key Personnel ';
312 GOSUB 508
314 PRINT 'Joint Operation-Language ';
316 GOSUB 508
318 PRINT 'Action in Friendly Country (Area) ';
320 GOSUB 508
322 PRINT 'Action in Hostile Country (Area) ';
324 GOSUB 508
326 PRINT 'Delay in Receipt of Decision/Orders ';
328 GOSUB 508
330 PRINT 'Public Relations/Press Censorship ';
332 GOSUB 508
334 PRINT 'Inadequate Communications for Operating Forces ';
336 GOSUB 508
338 PRINT 'Fatigue ';
340 GOSUB 508
342 PRINT 'Lack of Activity-Boredom ';
344 GOSUB 508
346 PRINT 'Failure to Acquire Adequate Information in Time ';
348 GOSUB 508
350 PRINT 'Action Taken on Inadequate/Incorrect Information ';
352 GOSUB 508
354 PRINT 'Delay/Failure in Transmission of Information ';
356 GOSUB 508
358 PRINT 'Action Inadequate to Prevent Crisis ';
360 GOSUB 508
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364 GOSUB 508
366 PRINT 'Forces Inadequate to Solve Crisis ';
368 GOSUB 508
370 PRINT 'Failure to Execute Action in Time ';
372 GOSUB 508
374 PRINT 'Inadequate Local Logistic Support ';
376 GOSUB 508
378 PRINT 'Inadequate Control of Local Forces ';
380 GOSUB 508
382 PRINT 'Readiness of Forces ';
384 GOSUB 508
386 PRINT 'Availability of Forces (Priority) ';
388 GOSUB 508
390 MOVE 20,5
392 PRINT Y$
394 KO=3
396 END
398 PAGE
400 PRINT 'Choice of Units ';
402 GOSUB 508
404 PRINT 'Availability of Equipment ';
406 GOSUB 508
408 PRINT 'Availability of Lift (Sea/Air) ';
410 GOSUB 508
412 PRINT 'Considerat'n of Replacement Requirem'ts in Deployment ';
414 GOSUB 508
416 PRINT 'Geography - Terrain - Climate ';
418 GOSUB 508
420 PRINT 'Distance to Crisis Area ';
422 GOSUB 508
424 PRINT 'Unique Logistics/Communications Requirements ';
426 GOSUB 508
428 PRINT 'Need for Additional/Special Intelligence ';
430 GOSUB 508
432 PRINT 'Security/ Sensivity a Factor ';
434 GOSUB 508
436 PRINT 'No Appropriate Contingency Plans Ready ';
438 GOSUB 508
440 PRINT 'Existing Contingency Plans Are Inadequate ';
442 GOSUB 508
444 PRINT 'Existing Contingency Plans Are Not Followed ';
446 GOSUB 508
448 PRINT 'Situation Not Recognized Initially; Action Not Timely ';
450 GOSUB 508
452 PRINT 'Situation Recognized; Actions Inadequate ';
454 GOSUB 508
456 PRINT 'Crisis Develops Despite Adequate Actions ';
458 GOSUB 508
460 PRINT 'Over-Reaction to Crisis ';
462 GOSUB 508
464 PRINT 'Late Military Involvement ';
466 GOSUB 508
468 PRINT 'U. S. Military Involved at Onset ';
470 GOSUB 508
472 PRINT 'Situation Develops Over Time Before Crisis Level ';
474 GOSUB 508
476 PRINT 'Situation Develops Over Time; Crisis Is Sudden ';
478 GOSUB 508
480 PRINT 'Crisis Occurs Without Warning ';
482 GOSUB 508
484 PRINT 'Sudden Crisis With Prolonged Action/Solution ';
486 GOSUB 508
488 PRINT 'Prolonged Crisis With Intermittent Peaks ';
490 GOSUB 508
492 PRINT 'Multi-Crises ';
494 GOSUB 508
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496 PRINT ' '
498 PRINT 'Problem selection is finished.'
500 MOVE 20,5
502 PRINT Y$
504 K0=4
506 END
508 REM **to handle user input**
510 L0=L0+1
512 GIN X,Y
514 INPUT A$
516 MOVE X+3,Y
518 IF A$='n' THEN 534
520 IF A$='y' THEN 526
522 IF A$='p' THEN 496
524 GO TO 514
526 J0=J0+1
528 Z(J0)=L0
530 PRINT '*'
532 GO TO 536
534 PRINT ' '
536 RETURN
538 PAGE
540 MOVE 20,100
542 IF Y9=1 THEN 556
544 PRINT 'Data on U.S. Management Problems are being read.'
546 IF Y9=1 THEN 556
548 FIND 23
550 Y9=1
552 READ @33:X$,H$
554 K$=H$
556 MOVE 20,94
558 PRINT 'The crises are being searched for selected problems.'
560 MOVE 20,90
562 PRINT 'This process may take 60-90 seconds.')
564 T0=101
566 I0=0
568 FOR K=1 TO 315
570 S$=SEG(H$,K,1)
572 IF S$='0' THEN 594
574 I0=I0+1
576 L0=(I0-1)*79
578 FOR L=1 TO J0
580 J1=Z(L)
582 Q$=SEG(X$,L0+J1,1)
584 IF Q$='2' THEN 590
586 NEXT L
588 GO TO 594
590 K$=REP('0',I0,1)
592 T0=T0-1
594 NEXT K
596 PRINT ' 'Search finished.'
598 MOVE 20,85
600 PRINT USING 602:T0
602 IMAGE 3d,' crises with these problems were found.'
604 FIND 18
606 WRITE @33:K$
608 MOVE 40,78
610 PRINT 'Summary of Program Keys'
612 MOVE 20,70
614 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
616 MOVE 20,65
619 PRINT 'o No. 2 - U.S. ACTIONS'
620 MOVE 20,60
622 PRINT 'o No. 3 - U.S. OBJECTIVES'
624 MOVE 20,55
626 PRINT 'o No. 4 - PROBLEMS'
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346

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628 MOVE 20,50
630 PRINT 'o No. 5 - CRISIS OUTCOMES'
632 MOVE 20,45
634 PRINT 'o No. 6 - CONTINUE (To print titles of selected crises)'
636 MOVE 20,40
638 PRINT 'o No. 7 - REPEAT (To the INTRODUCTION)'
640 MOVE 20,35
642 PRINT 'o No. 8 - ACTIONS/OBJECTIVES'
644 MOVE 20,30
646 PRINT 'o No. 9 - PROBLEM ANALYZER'
648 MOVE 20,25
650 PRINT 'o No. 10- HELP (For general information)'
652 MOVE 20,5
654 PRINT 'Press Program Key'
656 KO=5
658 END
660 PAGE
662 MOVE 20,95
664 PRINT 'Crises with Selected Problems'
666 MOVE 0,90
668 FIND 25
670 LO=3
672 FOR K=1 TO 315
674 INPUT @33:Q$
676 P$=SEG(K$,K,1)
678 IF P$='0' THEN 696
680 X=POS(Q$,'>',20)
682 P$=SEG(Q$,9,X-9)
684 PRINT P$
686 LO=LO+1
688 IF LO<34 THEN 696
690 MOVE 0,0
692 LO=3
694 PRINT 'Press HOME/PAGE to clear screen '
696 NEXT K
698 MOVE 20,5
700 PRINT 'All crises selected have been printed; press CONTINUE.'
702 KO=6
704 END
706 PAGE
708 GO TO 608
```

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1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 592
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 24
81 SAVE
82 PRINT 'Saved on 24'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(7980),K$(316),D3(101),Y$(19),H$(316),Z(81)
102 U$='>'
104 PAGE
106 SET KEY
108 MOVE 10,60
110 PRINT 'Data on U.S. problems are being read from tape.'
112 FIND 23
114 READ @33:X$,H$,D3
116 FIND 18
118 READ @33:K$
120 Y$='--------------------'
122 Z$='Press 'HOME/PAGE' to clear screen'
124 FIND 25
128 Z=0
130 Z0=0
132 PAGE
134 FOR K=1 TO 315
135 L1=0
136 INPUT @33:Q$
138 C$=SEG(K$,K,1)
140 IF C$='0' THEN 516
142 L=POS(Q$,U$,20)
144 S$=SEG(Q$,9,L-9)
146 PRINT Y$,Y$,Y$,Y$
148 PRINT USING 150:K,S$
150 IMAGE (3d,1x,60s)
152 PRINT Y$,Y$,Y$,Y$
154 MOVE 0,90
156 PRINT 'U.S. Crisis Management Problems'
158 P$=SEG(H$,X,1)
160 IF P$='0' THEN 168
162 FOR J=1 TO 101
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348

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166 NEXT J
168 MOVE 20,60
170 PRINT 'No data for this case.'
172 FOR H=1 TO 50
174 H1=SQR(99999)
176 NEXT H
178 PAGE
180 GO TO 516
182 IF K=137 THEN 192
184 IF K<>110 THEN 190
186 PRINT '       No management problems encountered in this case.'
188 GO TO 510
190 MOVE 0,85
192 N=(J-1)*79
194 M=0
196 P$='Delayed Decision on Action'
198 GOSUB 564
200 P$='Delayed Transmission of Decisions/Orders'
202 GOSUB 564
204 P$='Action Requires Extensive Inter-Agency Coordination'
206 GOSUB 564
208 P$='Concurrence(s) Legally Required for Proposed Action'
210 GOSUB 564
212 P$='Referral to International Agencies (UN, NATO, OAS) Required'
214 GOSUB 564
216 P$='President Involved as Decision-Maker'
218 GOSUB 564
220 P$='Security/Sensivity Issues'
222 GOSUB 564
224 P$='Misperception of Constraints'
226 GOSUB 564
228 P$='Constraints on Military Action'
230 GOSUB 564
232 P$='Consideration of U. S. Domestic Impact'
234 GOSUB 564
236 P$='Consideration of International Relations'
238 GOSUB 564
240 P$='Proposed Action Produces Domestic Policy Conflict'
242 GOSUB 564
244 P$='Proposed Action Produces Foreign Policy Conflict'
246 GOSUB 564
248 P$='Legality of Proposed Action Is an Issue'
250 GOSUB 564
252 P$='Presidential Approval Legally Required'
254 GOSUB 564
256 P$='Inadequate Communication Facilities'
258 GOSUB 564
260 P$='Inability to Reinforce Local Units in Time'
262 GOSUB 564
264 P$='Inability to Provide Additional Logistical Support'
266 GOSUB 564
268 P$='Inadequate Intelligence Input for Decision-Makers'
270 GOSUB 564
272 P$='Delay in Securing Adequate Facts'
274 GOSUB 564
276 P$='Failure to Recognize Import of Information Received'
278 GOSUB 564
280 P$='Crisis Actions Affected by Ideological Issues'
282 GOSUB 564
284 P$='Crisis Actions Affected by Emotional Issues'
286 GOSUB 564
288 P$='Multi-Lingual Problems'
290 GOSUB 564
292 P$='Press Relations/Public Information Significant Factors'
294 GOSUB 564
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349

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298 GOSUB 564
300 P$='Distracted Attention due to Multiple Crises'
302 GOSUB 564
304 P$='Boredom'
306 GOSUB 564
308 P$='Fatigue'
310 GOSUB 564
312 P$='Frustration'
314 GOSUB 564
316 P$='Turnover of Key Personnel'
318 GOSUB 564
320 P$='Choice of Commander and Staff'
322 GOSUB 564
324 P$='Sudden Call-Up/Dispatch of Troops'
326 GOSUB 564
328 P$='Intermediate Headquarters/Chain of Command'
330 GOSUB 564
332 P$='No Clear Lines of Responsibility to a Single Commander'
334 GOSUB 564
336 P$='Loss or Transfer of Key Personnel'
338 GOSUB 564
340 P$='Joint Operation-Language'
342 GOSUB 564
344 P$='Action in Friendly Country (Area)'
346 GOSUB 564
348 P$='Action in Hostile Country (Area)'
350 GOSUB 564
352 P$='Delay in Receipt of Decision/Orders'
354 GOSUB 564
356 P$='Public Relations/Press Censorship'
358 GOSUB 564
360 P$='Inadequate Communications for Operating Forces'
362 GOSUB 564
364 P$='Fatigue'
366 GOSUB 564
368 P$='Lack of Activity-Boredom'
370 GOSUB 564
372 P$='Fail to Acquire Adequate Information in Time'
374 GOSUB 564
376 P$='Act on Inadequate/Incorrect Information'
378 GOSUB 564
380 P$='Delay/Fail in Transmission of Information'
382 GOSUB 564
384 P$='Action Inadequate to Prevent Crisis'
386 GOSUB 564
388 P$='Action Inadequate to Solve Crisis'
390 GOSUB 564
392 P$='Forces Inadequate to Solve Crisis'
394 GOSUB 564
396 P$='Failure to Execute Action in Time'
398 GOSUB 564
400 P$='Inadequate Local Logistic Support'
402 GOSUB 564
404 P$='Inadequate Control of Local Forces'
406 GOSUB 564
408 P$='Readiness of Forces'
410 GOSUB 564
412 P$='Non-Availability of Forces (Priority)'
414 GOSUB 564
416 P$='Choice of Units'
418 GOSUB 564
420 P$='Non-Availability of Equipment'
422 GOSUB 564
424 P$='Non-Availability of Lift (Sea/Air)'
426 GOSUB 564
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430 GOSUB 564
432 P$='Geography - Terrain - Climate'
434 GOSUB 564
436 P$='Distance to Crisis Area'
438 GOSUB 564
440 P$='Unique Logistics/Communications Requirements'
442 GOSUB 564
444 P$='Need for Additional/Special Intelligence'
446 GOSUB 564
448 P$='Security/ Sensivity a Factor'
450 GOSUB 564
452 P$='No Appropriate Contingency Plans'
454 GOSUB 564
456 P$='Contingency Plans Are Inadequate'
458 GOSUB 564
460 P$='Contingency Plans Are Not Followed'
462 GOSUB 564
464 P$='Situation Not Recognized Initially; Action Not Timely'
466 GOSUB 564
468 PRINT 'Situation Recognized; Actions Inadequate'
470 GOSUB 564
472 PRINT 'Crisis Develops Despite Adequate Actions'
474 GOSUB 564
476 PRINT 'Over-Reaction to Crisis'
478 GOSUB 564
480 P$='Late Military Involvement'
482 GOSUB 564
484 P$='U. S. Military Involved at Onset'
486 GOSUB 564
488 P$='Situation Develops Over Time Before Crisis Level Reached'
490 GOSUB 564
492 P$='Situation Develops Over Time But Crisis Is Sudden'
494 GOSUB 564
496 P$='Crisis Occurs Without Warning'
498 GOSUB 564
500 P$='Sudden Crisis With Prolonged Action/Solution'
502 GOSUB 564
504 P$='Prolonged Crisis With Intermittent Peaks'
506 GOSUB 564
508 P$='Multi-Crises'
510 GOSUB 564
512 MOVE 20,0
514 PRINT Z$
516 NEXT K
518 MOVE 20,90
520 PRINT 'Problems for all selected cases have been printed.'
522 MOVE 20,80
524 PRINT 'Summary of Program Keys'
526 MOVE 30,70
528 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
530 MOVE 30,65
532 PRINT 'o No. 2 - U.S. ACTIONS'
534 MOVE 30,60
536 PRINT 'o No. 3 - U.S. OBJECTIVES'
538 MOVE 30,55
540 PRINT 'o No. 4 - PROBLEMS'
542 MOVE 30,50
544 PRINT 'o No. 5 - CRISIS OUTCOMES'
546 MOVE 30,45
548 PRINT 'o No. 6 - CONTINUE (To return to the INTRODUCTION)'
550 MOVE 30,40
552 PRINT 'o No. 7 - To count problems in selected crises'
554 MOVE 30,35
556 PRINT 'o No.10 - HELP (For general information)'
558 MOVE 30,5
560 PRINT 'Press Program Key'
```

351

```
562 END
564 REM ***SUB TO COUNT LINES
566 N=N+1
568 C$=SEG(X$,N,1)
570 IF C$='2' THEN 590
572 PRINT P$
574 M=M+1
576 Z(M)=Z(M)+1
578 Z0=Z0+1
580 L1=L1+1
582 IF L1<27 THEN 590
584 MOVE 20,0
586 PRINT Z$
588 L1=0
590 RETURN
592 PAGE
594 PRINT '      Prob No.    %      Prob No.    %      Prob  No.    %'
596 PRINT
598 FOR K=1 TO 27
600 L=K+27
602 M=L+27
604 PRINT USING 606:K,Z(K),Z(K)/Z0,L,Z(L),Z(L)/Z0,M,Z(M),Z(M)/Z0
606 IMAGE 3(6x,2d,2x,3d,2x,1d.2d)
608 NEXT K
610 END
```

```
1 DELETE K$
2 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 INIT
29 GO TO 1
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 26
81 SAVE
82 PRINT 'Saved on 26'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM K$(386)
102 DATA 32,106,12,6
104 READ M,TO,PO,QO
106 Z$='Press HOME/PAGE to clear screen'
108 U$='>'
110 PAGE
112 P=PO+12
114 Q=QO
116 GOSUB 506
118 PRINT '        KEY WORD SEARCH PROGRAM'
120 Q=QO+4
122 P=PO
124 GOSUB 506
126 FIND 25
128 P=PO   .
130 GOSUB 506
132 PRINT 'You may search the crisis files by key-words.'
134 L=0
136 N=0
138 GOSUB 506
140 PRINT 'Enter a KEY WORD and its SELECTION MODE, or'
142 GOSUB 506
144 PRINT 'Enter ''?'' for an explanation of KEYWORD, SELECTION MODE'
146 XO=2
148 INPUT W$
150 IF W$='?' THEN 154
152 IF W$='/' THEN 156
```

353

```
156 PAGE
158 T0=100
160 P=P0
162 Q=Q0
164 GOSUB 506
166 GIN U,V
168 A=114
170 GOSUB 512
172 PRI 'A KEY WORD is a word or phrase related to crises of interest.'
174 Q=Q0+2
176 GOSUB 506
178 PRINT 'Examples: MIDEAST, USSR, A/C, NAVY, POLITICAL, DIPLOMATIC'
180 GOSUB 506
182 GOSUB 506
184 GIN U,V
186 GOSUB 512
188 PRINT 'SELECTION MODE (+ or -) refers to how the KEY WORD is used.'
190 GOSUB 506
192 PRINT 'To select all cases WITH the key word, precede it by +.'
194 GOSUB 506
196 PRINT 'To select all cases WITHOUT the key word, precede it by -.'
198 GOSUB 506
200 PRINT 'Example : +U.S. for all cases involving the U.S. directly;'
202 Q=Q0-2
204 GOSUB 506
206 PRINT '            -USSR for all cases not involving the USSR.'
208 Q=Q0
210 P=P0
212 GOSUB 506
214 PRINT 'Enter KEY WORD ';
216 GO TO 148
218 V$=SEG(W$,1,1)
220 A$=W$
222 IF V$='+' THEN 230
224 IF V$='-' THEN 230
226 V$='+'
228 GO TO 232
230 A$=SEG(W$,2,LEN(W$)-1)
232 P=P0
234 Q=Q0
236 GOSUB 506
238 PRINT 'Enter a second KEY WORD ';
240 INPUT O$
242 J$=SEG(O$,1,1)
244 IF J$='+' THEN 254
246 IF J$='-' THEN 254
248 J$='+'
250 3$=O$
252 GO TO 256
254 B$=SEG(O$,2,LEN(O$)-1)
256 PAGE
258 T0=100
260 IF LEN(O$)=0 THEN 266
262 PRINT 'KEY WORDS :',W$,'and',O$
264 GO TO 268
266 PRINT 'KEY WORD :',W$
268 T0=T0-4
270 IF L>0 THEN 272
272 L=L+1
274 IF L>315 THEN 338
276 INPUT @33:Q$
278 X=POS(Q$,A$,9)
280 IF X>0 THEN 286
282 IF V$='-' THEN 292
284 GO TO 268
286 IF V$='-' THEN 292
```

```
288 K$=REP('0',L,0)
290 GO TO 272
292 IF LEN(O$)=0 THEN 308
294 X=POS(Q$,B$,9)
296 IF X>0 THEN 302
298 IF J$='-' THEN 308
300 GO TO 304
302 IF J$<>'-' THEN 308
304 K$=REP('0',L,0)
306 GO TO 272
308 U=POS(Q$,U$,15)
310 C$=SEG(Q$,9,U-9)
312 P=0
314 Q=4
316 GOSUB 506
318 PRINT USING 320:L,C$
320 IMAGE 3D,1X,68A
322 N=N+1
324 K$=REP('1',L,0)
326 GIN O,P
328 IF P>5 THEN 272
330 TO=100
332 MOVE 20,0
334 PRINT Z$
336 GO TO 260
338 IF N>0 THEN 344
340 PRINT 'No cases were found.'
342 GO TO 346
344 PRINT 'Cases found = ',N
346 GIN G,H
348 MOVE 10,H
350 PRINT 'Another search (Y or N) ?';
352 INPUT A$
354 IF A$='Y' THEN 360
356 IF A$='N' THEN 370
358 GO TO 350
360 PAGE
362 DELETE K$
364 DIM K$(315)
366 TO=100
368 GO TO 126
370 IF N=0 THEN 504
372 GIN G,H
374 MOVE 10,H
376 PRINT 'Would you like to examine these crises (Y or N) ?';
378 KO=3
380 INPUT A$
382 IF A$='?' THEN 388
384 IF A$='/' THEN 388
386 GO TO 420
388 PAGE
390 MOVE 10,80
392 J$='U.S.'
394 PRINT 'You may print :'
396 MOVE 15,70
398 PRINT 'o CRISIS DESCRIPTORS,'
400 MOVE 15,65
402 PRINT 'o U.S. ACTIONS,'
404 MOVE 15,60
406 PRINT 'o U.S. OBJECTIVES'
408 MOVE 15,55
410 PRINT 'o CRISIS PROBLEMS'
412 MOVE 15,50
414 PRINT 'o CRISIS OUTCOMES'
416 MOVE 10,40
418 GO TO 332
```

```
420 IF A$='N' THEN 504
422 IF A$<>'Y' THEN 372
424 GIN G,H
426 K0=4
428 MOVE 10,H
430 PRINT 'Do you want to select or delete cases (S,D or N) ?';
432 K0=4
434 N1=0
436 INPUT A$
438 IF A$='N' THEN 498
440 IF A$='D' THEN 482
442 IF A$='?' THEN 448
444 IF A$='/' THEN 448
446 IF A$<>'S' THEN 424
448 PAGE
450 MOVE 10,80
452 PRINT 'You may :'
454 MOVE 15,70
456 PRINT 'o Examine all cases selected by the key-words (Enter N)'
458 MOVE 15,65
460 PRINT 'o Ignore the cases selected and enter new case id's (Enter';
462 PRINT ' S)'
464 MOVE 15,60
466 PRINT 'o Delete cases from those selected by the key-words (Enter';
468 PRINT ' D)'
470 GO TO 436
472 H$='1'
474 K=0
476 PRINT USING 478:'selected'
478 IMAGE 'Enter id of case to be ', 8a,'. End by entering 0.'
480 GO TO 486
482 PRINT USING 478:'deleted '
484 H$='0'
486 INPUT C
488 IF C=0 THEN 498
490 IF C>315 THEN 494
492 X$=REP(H$,C,1)
494 PRINT 'Enter next case id. End by 0.'
496 GO TO 486
498 FIND 18
500 WRITE @33:K$
502 END
504 END
506 T0=T0-Q
508 MOVE P,T0
510 RETURN
512 REM to draw box
514 X1=U-2
516 Y1=V+4
518 MOVE X1,Y1
520 X2=X1+A
522 DRAW X2,Y1
524 Y2=V-2
526 DRAW X2,Y2
528 DRAW X1,Y2
530 DRAW X1,Y1
532 MOVE U,V
534 RETURN
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 NO=24
17 GO TO 90
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 160
25 PRINT 'You will return to the INTRODUCTION'
26 NO=3
27 GO TO 90
28 GO TO 110
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 27
81 SAVE
82 PRINT 'Saved on 27'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(5474),W(57)
102 SET KEY
104 FIND 28
106 READ @33:X$
108 K9=0
110 PAGE
112 WINDOW 0,130,0,100
114 VIEWPORT 0,130,0,100
116 Z$='Press CONTINUE (Key No. 6)'
118 D=32
120 MOVE 0,100
122 PRINT ' HISTORICAL RELATIONSHIP BETWEEN ACTIONS AND OBJECTIVES IN ';
124 PRINT 'CRISES'
126 MOVE 0,94
128 PRINT 'You may select an objective; ACTIONS most often associated ';
130 PRINT 'with it will be shown.'
132 MOVE 20,80
134 PRINT @D:'Selection of U.S. Objectives'
136 MOVE 20,75
138 PRINT 'As each objective is listed, please type Y or N or P by it.'
140 MOVE 25,69
142 PRINT 'Y - YES, print actions associated with this objective.'
144 MOVE 25,64
146 PRINT 'N - NO, Ignore this objective.'
148 MOVE 25,59
150 PRINT 'P - PROCEED, Stop listing objectives'
152 MOVE 20,5
154 PRINT Z$
156 KO=1
158 END
```

```
162 LO=0
164 P$='    To Deter Imminent Attack '
166 GOSUB 368
168 P$='    To Improve or Rectify Deterrence Posture '
170 GOSUB 368
172 P$='    To Put Down a Rebellion '
174 GOSUB 368
176 P$='    To Restore a Regime '   -----
178 GOSUB 368
180 P$='    To Regain Access to Economic Resources '
182 GOSUB 368
184 P$='    To Restore Peace '
186 GOSUB 368
188 P$='    To Restore Territorial Integrity '
190 GOSUB 368
192 P$='    To Restore Military Balance of Power '
194 GOSUB 368
196 P$='    To Restore Readiness '
198 GOSUB 368
200 P$='    To Preserve Readiness '
202 GOSUB 368
204 P$='    To Preserve Peace '
206 GOSUB 368
208 P$='    To Confirm or Re-Establish Prestige '
210 GOSUB 368
212 P$='    To Preserve Territory and/or Facilities '
214 GOSUB 368
216 P$='    To Preserve Regime from External Threat '
218 GOSUB 368
220 P$='    To Preserve Regime from Internal Threat '
222 GOSUB 368
224 P$='    To Preserve, Restore, or Improve Alliance '
226 GOSUB 368
228 P$='    To Protect Legal and Political Rights '
230 GOSUB 368
232 P$='    To Induce Maintenence of Current Policy '
234 GOSUB 368
236 P$='    To Dissuade from a New Policy '
238 GOSUB 368
240 P$='    To Protect a Military Asset '
242 GOSUB 368
244 P$='    To Support a New Government '
246 GOSUB 368
248 P$='    To Induce National Reorientation '
250 GOSUB 368
252 P$='    To Induce Adoption of a New Policy '
254 GOSUB 368
256 P$='    To Bring about the Fall of a Regime '
258 GOSUB 368
260 P$='    To Support Insurgency '
262 GOSUB 368
264 P$='    To Deny Political Access '
266 GOSUB 368
268 P$='    To Deny Military Access '
270 GOSUB 368
272 P$='    To Assure Continued Economic Access '
274 GOSUB 368
276 P$='    To Preserve, or Regain, Control of the Sea '
278 GOSUB 368
280 P$='    To Preserve, or Regain, Control of the Air '
282 GOSUB 368
284 P$='    To Deny Success to Terrorists or HiJackers '  .
286 GOSUB 368
288 P$='    To Protect Human Life '
290 GOSUB 368
```

```
294 GOSUB 368
296 P$='   To Support Critical Negotiations '
298 GOSUB 368
300 P$='   To Discover Intentions or Actions '
302 GOSUB 368
304 P$='   To Prepare for Alternative Missions '
306 GOSUB 368
308 P$='   To Support Efforts by the United Nations '
310 GOSUB 368
312 P$='   To Contain Opponents '
314 GOSUB 368
316 P$='   To Prevent Spread of War '
318 GOSUB 368
320 P$='   To Preserve Lines of Communication '
322 GOSUB 368
324 P$='   To Regain Technical Advantage '
326 GOSUB 368
328 P$='   To Restore Prestige '
330 GOSUB 368
332 P$='   To Preserve Balance of Power '
334 GOSUB 368
336 P$='   To Prevent Spread of Communist Influence '
338 GOSUB 368
340 P$='   To Prevent Nuclear Proliferation '
342 GOSUB 368
344 P$='   To Insure Self-Sufficiency '
346 GOSUB 368
348 P$='   To Avoid Direct Involvement '
350 GOSUB 368
352 P$='   To Preserve Secrecy '
354 GOSUB 368
356 MOVE 10,20
358 PRINT 'All objectives have been examined.'
360 MOVE 10,10
362 PRINT 'Press REPEAT (Key No. 7) if you wish to repeat this program'
364 K0=2
366 END
368 REM To handle user input
370 PRINT P$;
372 L0=L0+1
374 INPUT A$
376 IF A$='n' THEN 408
378 IF A$='P' THEN 358
380 IF A$<>'y' THEN 374
382 W=0
384 J0=(L0-1)*114
386 PAGE
388 PRINT P$
390 MOVE 0,95
392 FOR P=1 TO 57
394 K0=J0+(P-1)*2+1
396 W$=SEG(X$,K0,2)
398 IF W$='00' THEN 404
400 GOSUB 554
402 W(P)=VAL(W$)
404 NEXT P
406 GOSUB 410
408 RETURN
410 WINDOW 0,130,0,100
412 VIEWPORT 0,130,0,100
414 MOVE 0,55
416 DRAW 130,55
418 MOVE 0,54.25
420 DRAW 130,54.25
422 A$='CONDITIONAL PROBABILITIES OF ASSOCIATED U.S. ACTIONS'
```

```
426 FOR K=1 TO 0.5*LEN(A$)
428 PRINT ';
430 NEXT K
432 PRINT A$
434 MOVE 1.75*1.79,4
436 DRAW 130,4
438 DRAW 130,46
440 DRAW 1.75*1.79,46
442 DRAW 1.75*1.79,4
444 A$='PROBABILITY'
446 MOVE 0,22+0.5*INT(LEN(A$))*2.82
448 FOR K=1 TO LEN(A$)
450 B$=SEG(A$,K,1)
452 PRINT B$
454 NEXT K
456 MOVE 65,0.5
458 A$='U. S.  A C T I O N S'
460 FOR K=1 TO 0.5*LEN(A$)
462 PRINT ';
464 NEXT K
466 PRINT A$;
468 VIEWPORT 0,130,10,43
470 MOVE 4,100-282*0.5/33
472 PRINT '100'
474 MOVE 4,75-282*0.5/33
476 PRINT ' 75'
478 MOVE 4,50-282*0.5/33
480 PRINT ' 50'
482 MOVE 4,25-282*0.5/33
484 PRINT ' 25'
486 MOVE 4,-282*0.5/33
488 PRINT '  0'
490 VIEWPORT 9,128,10,43
492 WINDOW 0,114,0,100
494 FOR K1=1 TO 4
496 K2=25*K1
498 MOVE 1,K2
500 DRAW 1,K2
502 FOR K3=3 TO.113 STEP 10
504 MOVE K3,K2
506 DRAW K3,K2
508 NEXT K3
510 NEXT K1
512 MOVE 0,0
514 FOR K=1 TO 57
516 MOVE 2*K,0
518 DRAW 2*K,0
520 IF W(K)=0 THEN 538
522 DRAW 2*K,W(K)
524 A$=STR(K)
526 FOR K1=1 TO LEN(A$)
528 MOVE 2*K,5.5
530 RMOVE -114*0.6/120,-235*K1/33
532 B$=SEG(A$,K1,1)
534 PRINT B$;
536 NEXT K1
538 NEXT K
540 VIEWPORT 0,130,0,100
542 MOVE 0,0
544 PRINT
546 RETURN
548 PAGE
550 F=VAL(P$)
552 IF F=57 THEN 988
554 IF P>20 THEN 724
556 IF P>1 THEN 612
```

360

```
558 PRINT @D:' 1 Land Forces Committed to Combat'
560 GO TO 890
562 IF P>2 THEN 568
564 PRINT @D:' 2 Naval Forces Committed to Combat'
566 GO TO 890
568 IF P>3 THEN 574
570 PRINT @D:' 3 Air Forces Committed to Combat'
572 GO TO 890
574 IF P>4 THEN 580
576 PRINT @D:' 4 Land Support Services Committed'
578 GO TO 890
580 IF P>5 THEN 586
582 PRINT @D:' 5 Naval Support Services Committed'
584 GO TO 890
586 IF P>6 THEN 592
588 PRINT @D:' 6 Air Support Services Committed'
590 GO TO 890
592 IF P>7 THEN 598
594 PRINT @D:' 7 Land Forces Repositioned'
596 GO TO 890
598 IF P>8 THEN 604
600 PRINT @D:' 8 Naval Forces Repositioned'
602 GO TO 890
604 IF P>9 THEN 610
606 PRINT @D:' 9 Air Forces Repositioned'
608 GO TO 890
610 IF P>10 THEN 616
612 PRINT @D:'10 Use of Nuclear Forces Threatened'
614 GO TO 890
616 IF P>11 THEN 622
618 PRINT @D:'11 Nuclear Forces Redeployed'
620 GO TO 890
622 IF P>12 THEN 628
624 PRINT @D:'12 Alert Status of Nuclear Forces Changed'
626 GO TO 890
628 IF P>13 THEN 634
630 PRINT @D:'13 Use of Nonnuclear Forces Threatened'
632 GO TO 890
634 IF P>14 THEN 640
636 PRINT @D:'14 Nonnuclear Forces Redeployed'
638 GO TO 890
640 IF P>15 THEN 646
642 PRINT @D:'15 Alert Status of Nonnuclear Forces Changed'
644 GO TO 890
646 IF P>16 THEN 652
648 PRINT @D:'16 Peacekeeping Forces Redeployed'
650 GO TO 890
652 IF P>17 THEN 658
654 PRINT @D:'17 Show of Military Force'
656 GO TO 890
658 IF P>18 THEN 664
660 PRINT @D:'18 Military Blockade or Quarantine'
662 GO TO 890
664 IF P>19 THEN 670
666 PRINT @D:'19 Isolated Military Contact'
668 GO TO 890
670 IF P>20 THEN 676
672 PRINT @D:'20 Military Search and Rescue Operation'
674 GO TO 890
676 IF P>21 THEN 682
678 PRINT @D:'22 Collection of Military Intelligence'
680 GO TO 890
682 IF P>22 THEN 688
684 PRINT @D:'   Military Intelligence Given to an Ally'
686 GO TO 890
688 IF P>23 THEN 694
```

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690 PRINT @D:'23 Military Intelligence Given to an Antagonist'
692 GO TO 890
694 IF P>24 THEN 700
696 PRINT @D:'24 Military Maneuvers or Training Exercises'
698 GO TO 890
700 IF P>25 THEN 706
702 PRINT @D:'25 Force Readiness Improved or Maintained'
704 GO TO 890
706 IF P>26 THEN 712
708 PRINT @D:'26 Covert Military Operations'
710 GO TO 890
712 IF P>27 THEN 718
714 PRINT @D:'27 Military Intervention between Combatants'
716 GO TO 890
718 IF P>28 THEN 724
720 PRINT @D:'28 Airlift: Personnel, Supplies, Equipment'
722 GO TO 890
724 IF P>29 THEN 730
726 PRINT @D:'29 Military Advisory Assistance Provided'
728 GO TO 890
730 IF P>30 THEN 736
732 PRINT @D:'30 Combat Training Provided'
734 GO TO 890
736 IF P>31 THEN 742
738 PRINT @D:'31 Non-Combat Military Training Provided'
740 GO TO 890
742 IF P>32 THEN 748
744 PRINT @D:'32 Military Equipment Drawdown from U.S. Units'
746 GO TO 890
748 IF P>33 THEN 754
750 PRINT @D:'33 Supplies Provided From U.S. Depots'
752 GO TO 890
754 IF P>34 THEN 760
756 PRINT @D:'34 Supplies Provided from Non-Military Sources'
758 GO TO 890
760 IF P>35 THEN 766
762 PRINT @D:'35 Military Maintenance Assistance Provided'
764 GO TO 890
766 IF P>36 THEN 772
768 PRINT @D:'36 Military Logistics Assistance Provided'
770 GO TO 890
772 IF P>37 THEN 778
774 PRINT @D:'37 Unspecified Military Assistance Provided'
776 GO TO 890
778 IF P>38 THEN 784
780 PRINT @D:'38 Commitment Made to New Military Mission'
782 GO TO 890
784 IF P>39 THEN 790
786 PRINT @D:'39 New Military Mission Undertaken'
788 GO TO 890
790 IF P>40 THEN 796
792 PRINT @D:'40 New Military Cost Accepted'
794 GO TO 890
796 IF P>41 THEN 802
798 PRINT @D:'41 Existing Defense Treaty Modified'
800 GO TO 890
802 IF P>42 THEN 808
804 PRINT @D:'42 Existing Base Rights Treaty Modified'
806 GO TO 890
808 IF P>43 THEN 814
810 PRINT @D:'43 Existing Status of Forces Treaty Modified'
812 GO TO 890
814 IF P>44 THEN 820
816 PRINT @D:'44 Allies Consulted; Assistance in Decisions Sought'
818 GO TO 890
820 IF P>45 THEN 826
```

```
822 PRINT @D:"45 No Military Action"
824 GO TO 890
826 IF P>46 THEN 832
828 PRINT @D:"46 Diplomatic Channels Employed"
830 GO TO 890
832 IF P>47 THEN 838
834 PRINT @D:"47 Mediation Attempted"
836 GO TO 890
838 IF P>48 THEN 844
840 PRINT @D:"48 Support Withdrawn or Withdrawal Threatened"
842 GO TO 890
844 IF P>49 THEN 850
846 PRINT @D:"49 Peacekeeping Efforts Advocated/Supported"
848 GO TO 890
850 IF P>50 THEN 856
852 PRINT @D:"50 Efforts to Improve Scientific, Technical Capabilities"
854 GO TO 890
856 IF P>51 THEN 862
858 PRINT @D:"51 Existing Political, Military Commitments Reaffirmed"
860 GO TO 890
862 IF P>52 THEN 868
864 PRINT @D:"52 Protests Lodged"
866 GO TO 890
868 IF P>54 THEN 874
870 PRINT @D:"54 Action by U.S. Alone"
872 GO TO 890
874 IF P>55 THEN 880
876 PRINT "55 Action with One Nation"
878 GO TO 890
880 IF P>56 THEN 888
882 PRINT @D:"56 Action with Two or More Allies"
884 GO TO 890
886 IF P>56 THEN 888
888 PRINT @D:"57 The United Nations Involved"
890 RETURN
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 IF KO=1 THEN 146
25 IF KO=2 THEN 292
26 IF KO=3 THEN 422
27 IF KO=4 THEN 542
28 GO TO 146
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 30
81 SAVE
82 PRINT 'Saved on 30'
83 END
90 FIND NO
91 OLD
92 RUN
93 END
100 DIM X$(3018),K$(315),Z$(26),Z(79),M$(303),I0(90),H$(315)
102 X0=0
104 Z$='Press CONTINUE (Key No. 6)'
106 SET KEY
108 PAGE
110 MOVE 30,95
112 PRINT 'Crisis Selection by Outcomes'
114 MOVE 20,85
116 PRINT 'o After each Outcome, please type Y or N or P.'
118 MOVE 28,77
120 PRINT 'Y -> YES, Select cases with this goal.'
122 MOVE 28,72
124 PRINT 'N -> NO, Ignore this outcome in crisis selection'
126 MOVE 28,67
128 PRINT 'P -> PROCEED, Stop listing outcomes; go'
130 MOVE 35,64
132 PRINT ' directly to the file search.'
134 MOVE 20,50
136 PRINT 'o Your selections will be acknowledged by *'
138 MOVE 40,15
140 PRINT Z$
142 KO=1
144 END
146 PAGE
148 LO=0
150 JO=0
152 I=0
154 TO=100
156 A$='Support democratic countries'
158 GOSUB 380
```

```
162 GOSUB 388
164 A$='The welfare and human rights of all people'
166 GOSUB 388
168 A$='Support international law'
170 GOSUB 388
172 A$='Ensure the dignity and prestige of the U.S.'
174 GOSUB 388
176 A$='Capabilities to defend U.S. territorial integrity'
178 GOSUB 388
180 A$='Capabilities to defend major industrial democracies'
182 GOSUB 388
184 A$='Capabilities to defend strategically important LDC's'
186 GOSUB 388
188 A$='Capabilities to defend U.S. overseas maritime interests'
190 GOSUB 388
192 A$='Ability to intervene in overseas conflict arenas'
194 GOSUB 388
196 A$='Protection of U.S. officials, citizens, and property'
198 GOSUB 388
200 A$='Provide military assistance to friendly or neutral LDC's'
202 GOSUB 388
204 A$='The stability of friends and allies'
206 GOSUB 388
208 A$='Deter expansion of the military influence of hostile countries'
210 GOSUB 388
212 A$='Orderly expansion of U.S. industrial and commercial interests'
214 GOSUB 388
216 A$='Support economic systems compatable with U.S. interests'
218 GOSUB 388
220 A$='Stability of international commodities' prices and supplies'
222 GOSUB 388
224 A$='Economic development of non-Communist 3rd world nations'
226 GOSUB 388
228 A$='Reduced chance of war with the PRC'
230 GOSUB 388
232 A$='Reduced chance of war with the USSR'
234 GOSUB 388
236 A$='Containment of Communist influence'
238 GOSUB 388
240 A$=''Polycentrism' in the Communist world'
242 GOSUB 388
244 A$='Liberalization in Communist states'
246 GOSUB 388
248 A$='Normalization between the U.S. and the Communist world'
250 GOSUB 388
252 A$='The security and influence of the western world'
254 GOSUB 388
256 A$='Strong cooperative ties with West European countries'
258 GOSUB 388
260 A$='The economic,military,and political intergation of West Europe'
262 GOSUB 388
264 A$='Stabilization of conflict arenas in Europe'
266 GOSUB 388
268 A$='Improved relations between the U.S. and Eastern Europe'
270 GOSUB 388
272 A$='No direct military confrontation with the PRC and USSR in Asia'
274 GOSUB 388
276 A$='Containment of Communist aggression and influence in Asia'
278 GOSUB 388
280 A$='The security of Japan, Australia, New Zealand, S Korea, Taiwan'
282 GOSUB 388
284 MOVE 20,3
286 PRINT Z$
288 KO=2
290 END
```

```
294 A$='Stability of non-Communist developing Asian countries'
296 GOSUB 388
298 A$='Containment of Soviet expansion in Asia'
300 GOSUB 388
302 A$='Enhanced relations with Japan'
304 GOSUB 388
306 A$='Economic development in Asian non-Communist LDC's'
308 GOSUB 388
310 A$='End to Middle East conflict'
312 GOSUB 388
314 A$='Israeli security'
316 GOSUB 388
318 A$='Minimized Soviet influence in the Middle East'
320 GOSUB 388
322 A$='Political stability in the Middle East'
324 GOSUB 388
326 A$='Economic development of Middle Eastern countries'
328 GOSUB 388
330 A$='U.S. access to Midle Eastern markets and raw materials'
332 GOSUB 388
334 A$='Economic development in selected Latin American states'
336 GOSUB 388
338 A$='American economic presence in Latin America'
340 GOSUB 388
342 A$='No external aggression or hostile influence in Latin America'
344 GOSUB 388
346 A$='Democratic institutions in Latin America'
348 GOSUB 388
350 A$='Political stability in Latin America'
352 GOSUB 388
354 A$='Peaceful transition to independence of African countries'
356 GOSUB 388
358 A$='Development of selected sub-Saharan countries'
360 GOSUB 388
362 A$='Enhanced economic relations with African countries'
364 GOSUB 388
366 A$='Democratic institutions in Africa'
368 GOSUB 388
370 A$='Political stability in non-Communist African countries'
372 GOSUB 388
374 A$='Security of sea lane around African cape'
376 GOSUB 388
378 MOVE 20,5
380 PRINT 'Goals selected, press CONTINUE (Key No. 6)'
382 KO=3
384 END
386 REM--Sub to handle user input--
388 A$=A$&' '
390 PRINT A$;
392 GIN X,Y1
394 LO=LO+1
396 INPUT Q$
398 IF Q$='n' THEN 412
400 IF Q$='p' THEN 378
402 IF Q$<>'y' THEN 396
404 P$='*'
406 JO=JO+1
408 Z(JO)=LO
410 GO TO 414
412 P$=' '
414 MOVE X+2,Y1
416 PRINT P$
418 RETURN
420 REM --sub to search for cases--
422 PAGE
```

366

```
426 PRINT 'No goals were chosen. Press Key No. 6 to repeat selection.'
428 KO=2
430 END
432 IF JO>1 THEN 438
434 PRINT 'The file will be searched for all crises with this goal.'
436 GO TO 440
438 PRINT 'The file will be searched for all crises with these goals.'
440 PRINT 'The search will take 90-120 seconds.'
442 IF XO=1 THEN 450
444 FIND 31
446 READ @33:M$,X$,IO,H$
448 XO=1
450 TO=89
452 K$=H$
454 FOR J1=1 TO 90
456 IF J1=84 THEN 496
458 K=(J1-1)*3
460 C$=SEG(M$,K+1,3)
462 L1=VAL(C$)
464 C$=SEG(M$,K+4,3)
466 L2=VAL(C$)-1
468 FOR J=1 TO JO
470 W=Z(J)
472 FOR L=L1 TO L2
474 K=(L-1)*7+1
476 A$=SEG(X$,K,2)
478 A=VAL(A$)
480 IF A=W THEN 486
482 NEXT L
484 GO TO 490
486 NEXT J
488 GO TO 496
490 K1=IO(J1)
492 K$=REP('0',K1,1)
494 TO=TO-1
496 NEXT J1
498 PRINT
500 PRINT TO;' cases were found.'
502 MOVE 20,70
504 PRINT 'Summary of Program Keys :'
506 MOVE 30,60
508 PRINT 'o No. 1 - CRISIS DESCRIPTORS'
510 MOVE 30,55
512 PRINT 'o No. 2 - U.S. ACTIONS'
514 MOVE 30,50
516 PRINT 'o No. 3 - U.S. OBJECTIVES'
518 MOVE 30,45
520 PRINT 'o No. 4 - MANAGEMENT PROBLEMS'
522 MOVE 30,40
524 PRINT 'o No. 5 - CRISIS OUTCOMES'
526 MOVE 30,35
528 PRINT 'o No. 6 - To print titles of selected crises'
530 MOVE 30,25
532 PRINT 'Press Program Key'
534 FIND 18
536 WRITE @33:K$
538 KO=4
540 END
542 FIND 25
544 PAGE
546 FOR K=1 TO 315
548 INPUT @33:G$
550 A$=SEG(K$,K,1)
552 IF A$='0' THEN 564
554 B=POS(G$,'>',20)
556 P$=SEG(G$,6,B-9)
```

```
558 PRINT P$
560 IF TO>25 THEN 564
562 PRINT
564 NEXT K
```

```
1 GO TO 100
4 NO=14
5 GO TO 90
8 NO=17
9 GO TO 90
12 NO=21
13 GO TO 90
16 GO TO 100
20 NO=32
21 GO TO 90
24 NO=3
25 GO TO 90
28 GO TO 250
40 NO=4
41 GO TO 90
44 NO=12
45 GO TO 90
48 NO=15
49 GO TO 90
52 NO=19
53 GO TO 90
56 NO=22
57 GO TO 90
60 NO=30
61 GO TO 90
80 FIND 32
81 SAVE
82 PRINT 'Saved on 32'
83 END
90 FIND NO
91 OLD
92 RUN
93 END  —
100 DIM M$(303),X$(3018),IO(90),H$(315),K$(315),ZO(315)
110 DIM Z$(27),Y$(18)
120 Z$='Press HOME/PAGE to continue'
130 Y$='-------------------'
140 PAGE
150 FIND 31
160 READ @33:M$,X$,IO,H$
170 ZO=0
180 FOR K=1 TO 90
190 IF K=84 THEN 220
200 I=IO(K)
210 ZO(I)=K
220 NEXT K
230 FIND 18
240 READ @33:K$
250 FIND 25
260 FOR MO=1 TO 315
270 INPUT @33:Q$
280 A$=SEG(K$,MO,1)
290 IF A$='0' THEN 2910
300 PAGE
310 PRINT Y$,Y$,Y$,Y$
320 B=POS(Q$,'>',20)
330 P$=SEG(Q$,9,B-9)
340 PRINT P$
350 PRINT Y$,Y$,Y$,Y$
360 CO=0
370 J1=(ZO(MO)-1)*3+1
380 L$=SEG(M$,J1,3)
390 L1=VAL(L$)
400 L$=SEG(M$,J1+3,3)
410 L2=VAL(L$)-1
420 FOR L=L1 TO L2
```

```
430 K=(L-1)*5
440 A$=SEG(X$,K,2)
450 A=VAL(A$)
460 J$=SEG(X$,K+3,1)
470 A1=VAL(J$)
480 J$=SEG(X$,K+4,1)
490 A2=VAL(J$)
500 J$=SEG(X$,K+5,1)
510 A3=VAL(J$)
520 J$=SEG(X$,K+6,1)
530 A4=VAL(J$)
540 J$=SEG(X$,K+7,1)
550 A5=VAL(J$)
560 IF A>1 THEN 590
570 A$='Support democratic countries'
580 GO TO 2180
590 IF A>2 THEN 620
600 A$='Peace and peaceful resolution of conflicts'
610 GO TO 2180
620 IF A>3 THEN 650
630 A$='The welfare and human rights of all people'
640 GO TO 2180
650 IF A>4 THEN 680
660 A$='Support international law'
670 GO TO 2180
680 IF A>5 THEN 710
690 A$='Ensure the dignity and prestige of the U.S.'
700 GO TO 2180
710 IF A>6 THEN 740
720 A$='Capabilities to defend U.S. territorial integrity'
730 GO TO 2180
740 IF A>7 THEN 770
750 A$='Capabilities to defend major industrial democracies'
760 GO TO 2180
770 IF A>8 THEN 800
780 A$='Capabilities to defend strategically important LDC's'
790 GO TO 2180
800 IF A>9 THEN 830
810 A$='Capabilities to defend U.S. overseas maritime interests'
820 GO TO 2180
830 IF A>10 THEN 860
840 A$='Ability to intervene in overseas conflict arenas'
850 GO TO 2180
860 IF A>11 THEN 890
870 A$='Protection of U.S. officials, citizens, and property'
880 GO TO 2180
890 IF A>12 THEN 920
900 A$='Provide military assistance to friendly or neutral LDC's'
910 GO TO 2180
920 IF A>13 THEN 950
930 A$='The stability of friends and allies'
940 GO TO 2180
950 IF A>14 THEN 980
960 A$='Deter expansion of the military influence of hostile countries'
970 GO TO 2180
980 IF A>15 THEN 1010
990 A$='Orderly expansion of U.S. industrial and commercial interests'
1000 GO TO 2180
1010 IF A>16 THEN 1040
1020 A$='Support economic systems compatable with U.S. interests'
1030 GO TO 2180
1040 IF A>17 THEN 1070
1050 A$='Stability of international commodities' prices and supplies'
1060 GO TO 2180
1070 IF A>18 THEN 1100
1080 A$='Economic development of non-Communist 3rd world nations'
```

370

```
1090 GO TO 2180
1100 IF A>19 THEN 1130
1110 A$='Reduced chance of war with the PRC'
1120 GO TO 2180
1130 IF A>20 THEN 1160
1140 A$='Reduced chance of war with the USSR'
1150 GO TO 2180
1160 IF A>21 THEN 1190
1170 A$='Containment of Communist influence'
1180 GO TO 2180
1190 IF A>22 THEN 1220
1200 A$=''Polycentrism' in the Communist world'
1210 GO TO 2180
1220 IF A>23 THEN 1250
1230 A$='Liberalization in Communist states'
1240 GO TO 2180
1250 IF A>24 THEN 1280
1260 A$='Normalization between the U.S. and the Communist world'
1270 GO TO 2180
1280 IF A>25 THEN 1310
1290 A$='The security and influence of the western world'
1300 GO TO 2180
1310 IF A>26 THEN 1340
1320 A$='Strong cooperative ties with West European countries'
1330 GO TO 2180
1340 IF A>27 THEN 1370
1350 A$='The economic,military,and political intergation of West Europe'
1360 GO TO 2180
1370 IF A>28 THEN 1400
1380 A$='Stabilization of conflict arenas in Europe'
1390 GO TO 2180
1400 IF A>29 THEN 1430
1410 A$='Improved relations between the U.S. and Eastern Europe'
1420 GO TO 2180
1430 IF A>30 THEN 1460
1440 A$='No direct military confrontation with the PRC and USSR in Asia'
1450 GO TO 2180
1460 IF A>31 THEN 1490
1470 A$='Containment of Communist aggression and influence in Asia'
1480 GO TO 2180
1490 IF A>32 THEN 1520
1500 A$='The security of Japan, Australia, New Zealand, S Korea, Taiwan'
1510 GO TO 2180
1520 IF A>33 THEN 1550
1530 A$='Stability of non-Communist developing Asian countries'
1540 GO TO 2180
1550 IF A>34 THEN 1580
1560 A$='Containment of Soviet expansion in Asia'
1570 GO TO 2180
1580 IF A>35 THEN 1610
1590 A$='Enhanced relations with Japan'
1600 GO TO 2180
1610 IF A>36 THEN 1640
1620 A$='Economic development in Asian non-Communist LDC's'
1630 GO TO 2180
1640 IF A>37 THEN 1670
1650 A$='End to Middle East conflict'
1660 GO TO 2180
1670 IF A>38 THEN 1700
1680 A$='Israeli security'
1690 GO TO 2180
1700 IF A>39 THEN 1730
1710 A$='Minimized Soviet influence in the Middle East'
1720 GO TO 2180
1730 IF A>40 THEN 1760
1740 A$='Political stability in the Middle East'
```

```
1750 GO TO 2180
1760 IF A>41 THEN 1790
1770 A$='Economic development of Middle Eastern countries'
1780 GO TO 2180
1790 IF A>42 THEN 1820
1800 A$='U.S. access to Middle Eastern markets and raw materials'
1810 GO TO 2180
1820 IF A>43 THEN 1850
1830 A$='Economic development in selected Latin American states'
1840 GO TO 2180
1850 IF A>44 THEN 1880
1860 A$='American economic presence in Latin America'
1870 GO TO 2180
1880 IF A>45 THEN 1910
1890 A$='No external aggression or hostile influence in Latin America'
1894 PRINT
1900 GO TO 2180
1910 IF A>46 THEN 1940
1920 A$='Democratic institutions in Latin America'
1930 GO TO 2180
1940 IF A>47 THEN 1970
1950 A$='Political stability in Latin America'
1960 GO TO 2180
1970 IF A>48 THEN 2000
1980 A$='Peaceful transition to independence of African countries'
1990 GO TO 2180
2000 IF A>49 THEN 2030
2010 A$='Development of selected sub-Saharan countries'
2020 GO TO 2180
2030 IF A>50 THEN 2060
2040 A$='Enhanced economic relations with African countries'
2050 GO TO 2180
2060 IF A>51 THEN 2090
2070 A$='Democratic institutions in Africa'
2080 GO TO 2180
2090 IF A>52 THEN 2120
2100 A$='Political stability in non-Communist African countries'
2110 GO TO 2180
2120 IF A>53 THEN 2150
2130 A$='Security of sea lane around African cape'
2140 GO TO 2180
2150 A$='Diplomatic relations with black African countries'
2160 GO TO 2180
2170 REM ....Sub to print one-case data..
2180 GO TO A1 OF 2190,2210,2230,2250,2270
2190 B$='NONE'
2200 GO TO 2280
2210 B$='SMALL'
2220 GO TO 2280
2230 B$='MODERATE'
2240 GO TO 2280
2250 B$='HIGH'
2260 GO TO 2280
2270 B$='SEVERE'
2280 GO TO A2 OF 2290,2310,2330,2350,2370
2290 C$='VERY LOW'
2300 GO TO 2380
2310 C$='MODERATELY LOW'
2320 GO TO 2380
2330 C$='MODERATE'
2340 GO TO 2380
2350 C$='MODERATELY HIGH'
2360 GO TO 2380
2370 C$='VERY HIGH'
2380 GO TO A3 OF 2390,2410,2430,2450,2470,2490,2490
2390 D$='MAJOR POSITIVE CHANGE'
```

```
2400 GO TO 2500
2410 D$="POSITIVE CHANGE"
2420 GO TO 2500
2430 D$="NO CHANGE"
2440 GO TO 2500
2450 D$="NEGATIVE CHANGE"
2460 GO TO 2500
2470 D$="MAJOR NEGATIVE CHANGE"
2480 GO TO 2500
2490 D$="NOT APPLICABLE"
2500 GO TO A4 OF 2510,2530,2550,2570,2590
2510 E$="VERY LOW"
2520 GO TO 2600
2530 E$="MODERATELY LOW"
2540 GO TO 2600
2550 E$="MODERATE"
2560 GO TO 2600
2570 E$="MODERATELY HIGH"
2580 GO TO 2600
2590 E$="VERY HIGH"
2600 GO TO A5 OF 2610,2630,2650,2660,2680,2700,2700
2610 F$="MAJOR POSITIVE CHANGE"
2620 GO TO 2720
2630 F$="POSITIVE CHANGE"
2640 GO TO 2720
2650 F$="NO CHANGE"
2652 GO TO 2720
2660 F$="NEGATIVE CHANGE"
2670 GO TO 2720
2680 F$="MAJOR NEGATIVE CHANGE"
2690 GO TO 2720
2700 F$="NOT APPLICABLE"
2720 PRINT "GOAL :"        --
2730 PRINT A$
2740 PRINT
2750 PRINT USING 2760:B$
2760 IMAGE "Threat to Goal : ",40a
2770 PRINT
2780 PRINT "TIME PERIOD          IMPACT          OUTCOME"
2790 PRINT "-------------        -------          -------"
2800 PRINT USING 2810:C$,D$
2810 IMAGE"Long Term",12X,15a,2x,40a
2820 PRINT USING 2830:E$,F$
2830 IMAGE"Short Term",11X,15a,2x,40a
2840 PRINT
2850 CO=CO+1
2860 IF CO<2 THEN 2900
2870 MOVE 20,0
2880 CO=0
2890 PRINT Z$
2891 PRINT Y$,Y$,Y$,Y$
2892 PRINT P$
2893 PRINT Y$,Y$,Y$,Y$
2900 NEXT L
2902 MOVE 20,0
2904 PRINT Z$
2910 NEXT MO
2920 END
```
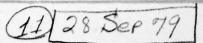
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This report provides documentation in the form of program listings for CACI's Executive Aids for Crisis Management.

11 - 79

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